Implementation Guide for Fresh Produce Data Standards and Synchronization

Release 2.0   June 2013

pma

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1. REVISION HISTORY

This section itemizes the changes from the last published version.

Version No.	Date of Change	Changed By	Summary of Change
Original 1.0	June 2012	Supply Chain Efficiencies Committee	Original document
2.0	2/25/2013	Ed Treacy	1. Updated Contributors list 2. Reordered attributes listing to move the Produce Industry defined attributes to front of document 3. Updated Guidance to Consider: for GTIN 4. Updated functionalName code list 5. Attribute "variant" changed to "varietyType" 6. Updated gradeCode List 7. Updated gradeCodeAgency List 8. Changed gradeCodeAgency to "Necessary to be PTI Compliant"

1. ABOUT PMA

The vision of Produce Marketing Association (PMA) is to strengthen and lead the global produce community. The mission of PMA is to connect, to inform, and to deliver business solutions that enhance members' prosperity. PMA's values describe the principles, standards and qualities that we strive to achieve and are common to our global community. These values include Character, Community, and Courage and they guide our behavior and decisions, and set the expectations our members should have for their association.

ABOUT PMA Supply Chain Efficiencies Committee

The PMA Supply Chain Efficiencies Committee is a volunteer committee comprised of members of the Produce Marketing Association. The committee provides oversight and guidance on the development and application of supply chain practices that create greater efficiencies throughout produce supply chains.

ACKNOWLEDGEMENTS

This guide represents the work of many individuals representing a range of companies across the produce supply chain, including growers, packers, shippers, retailers, brokers, solution providers, third-party service providers and standards organizations. In particular, the work of Scott Brown and Michel Southall of GS1 US and Christina D'Allacco of Produce Marketing Association was indispensable in the development of this guide. Their knowledge of the GS1 standards, patient review, and valuable suggestions added immeasurable value to this resource.

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TERMS OF USE (DISCLAIMER)

The information presented in this guide provides member agreed-upon guidance for synchronizing produce trade items utilizing GS1 standards.

Although PMA Supply Chain Efficiencies committee members have made every reasonable effort to ensure that the guidance is accurate and useful, errors may occur. Scenarios may arise in practice or changes can be made to validation rules and attribute relationships by GS1 or other third parties.

Accordingly, PMA or its members assume no risk or liability for any consequences that may be incurred through the use of this guide.

If users identify any errors in the guide or have recommendations to improve the usefulness of this guide, please contact Ed Treacy, Vice President, Supply Chain Efficiencies, Produce Marketing Association at etreacy@pma.com.

Revisions of this guide will be offered periodically to correct identified errors, expand the scope of coverage, and incorporate refinements.

PURPOSE OF THE GUIDE

This guide provides support to companies seeking to electronically synchronize produce product information in accordance with GS1 (EAN.UCC) standards. This guidance applies to the full range of fresh produce trade items. The guide describes which of the defined GS1 attributes should be used for produce items and recommends best practices for the use of these standards to synchronize static produce data between suppliers and retailers. Today, different platforms as well as different means for item identification exist when it comes to data sharing. The use of GS1 standards, specifically for EDI transactions, provides a common platform to help supply chain partners share and understand the same information about products and locations.

This guide is platform neutral and is intended to be used with or without third-party service providers. This guide covers GS1 attributes for Party and Trade Item requirements only. This version is constructed to be consistent with GS1 Business Message Standard (BMS), Version 2.0.3, and Business Requirements Document (BRD) Version 7.7.1 for Trade Item and Party, both released May 24, 2005. References to 'X12' refer to ASC X12 EDI Implementation Guidelines as provided by DISA (Data Interchange Standards Association). Reference to EANCOM refers to EAN International's publication of UN/EDIFACT EDI standards.

3. GENERAL GUIDANCE AND TECHNICAL ASSUMPTIONS

There are 202 attributes defined by GS1 today for data synchronization in the Global Data Synchronization Network (GDSN) for the produce industry. GDSN is a network of standardized, GS1 certified data pools where all participants in the supply chain can share and synchronize product data. Fresh produce trade items do not require all 202 attributes in order to utilize EDI. This guide is designed to provide guidance for implementing data synchronization for the following commonly used EDI transactions in the produce industry:

810 - Invoice

820 - Payment Order / Remittance Advice

824 - Application Advice

850 - Purchase Order

855 - Purchase Order Acknowledgement

856 - Ship Notice / Manifest

875 - Grocery Products Purchase Order

880 - Grocery Products Invoice

888 - Item Maintenance

894 - Delivery / Return Base Record

997 - Functional Acknowledgement

Included in the 59 attributes required for EDI synchronization are the 22 attributes for data synchronization recommended for compliance with the Produce Traceability Initiative (PTI). It is important to note that these attributes are used for the transmission of static master data and not transactional data. Each attribute in this guide will be marked accordingly in the appropriate column to inform the trading partner of the initial setup needs for EDI and those necessary to be PTI compliant.

202 GS1 Total Attributes

59 Produce EDI Attributes

22 PTI Attributes
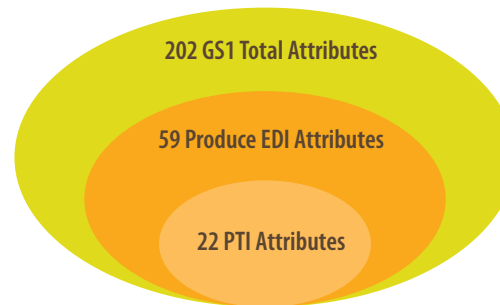
PRODUCE STANDARDS ATTRIBUTES DEFINITIONS

Attributes are used as a means to describe specific information about an item when transacting business. They reflect a certain characteristic about the item such as identifiers, weights, dimensions and manufacturer or supplier information. Attributes can be designated as "Dependent" or "If Class is Invoked" or "Use Only If" depending on the applicability of that attribute for carrying essential information about produce items. All attributes listed and their needs for initial setup for EDI are dependent upon the item maintenance transaction (888) being required.

PRODUCE IMPLEMENTATION GUIDE SYNTAX

The fields or values described in this guide for each attribute can be separated into the following categories: <u>Data Type</u>, <u>Produce Industry Attribute Name</u>, <u>Produce Industry Definition</u>, <u>Guidance to Consider:</u> and <u>Example for Attribute Value Entry</u>. The guide also provides information on whether the attribute is needed for initial setup in EDI and PTI data synchronization.

Data Type is a set of data with values having predefined characteristics. Examples of data types are date, numeric, text and code list. Each data type typically has a range of values. A code list signifies that there is a list of existing GS1 or Produce Industry defined codes to be used for that attribute entry. When populating attributes with language qualifiers, the supplier has the ability to additionally specify languages and a value for each language by sending multiple occurrences of an attribute for each language needed. These attributes are multi-description fields in which you can have a value for multiple languages. It is a two character alpha code from ISO 630 which identifies the language; e.g., EN for English, FR for French. With the exception of GTIN and GLN, numeric values can have decimals.

Produce Industry Attribute Name is the standard GS1 name of the attribute to be used in any data synchronization activities.

Produce Industry Definition is the industry definition for that attribute. It provides the Global Data Dictionary (GDD) definition where appropriate with a produce industry viewpoint.

Guidance to Consider is simply that. It provides additional information to be considered when entering the data for the specific attribute. This is where the information regarding dependent attributes will be found.

Example for Attribute Value Entry shows a sample entry for the produce industry for that attribute value.

Note: Where it states 'if class is invoked', attributes are grouped into classes; a logical grouping which contain similar information. It helps to compartmentalize them. If attributes are within the same class, then any other attribute in that class must be populated. The entire group of attributes is required. Once a class is opened, i.e., one of the fields is populated, then the other attributes are invoked and thus must be populated. This information will be located under 'Guidance to Consider'.

4. ATTRIBUTES REQUIRED FOR EDI TRANSACTIONS 810, 820, 824, 850, 855, 856, 875, 880, 888, 894, and 997

Attribute: globalTradeItemNumber

Data Type	Produce Industry Attribute Name	Produce Industry Definition	Example for attribute value entry	Initial Setup for EDI transactions (all dependent upon Item Maintenance (888) being required)	Transactional Fields for EDI (all dependent upon Item Maintenance (888) being required)	Necessary to be PTI Compliant
Numeric (14 digits)	globalTradeItemNumber	This is the 14-digit GTIN assigned by the Brand Owner, not necessarily the manufacturer, to the product level being described with the attributes (i.e. case, pack). GTINs may be assigned at all packaging levels where applicable. For example, a distributor or operator may assign the GTINs for their private label products. More information on how to assemble a GTIN can be found at http://www.gs1us.org/standards/ identification_numbers/global_trade_item_ number. To validate the correct check digit, use the following link http://www.gs1us.org/solu-tions_services/tools/check_digit_calculator. To determine the owner of a GTIN in the US, use the following link http://gepir.gs1.org/V31/xx/. Otherwise, contact the GS1 Members Organiza-tion in your country.	10123456789129	Y	Y	Y

Guidance to consider:

Numerical field with a 14 digit number.

The GTIN is linked to the attributes which provide specific details of the products.

Attribute: tradeItemUnitDescriptor

Data Type	Produce Industry Attribute Name	Produce Industry Definition	Example for attribute value entry	Initial Setup for EDI transactions (all dependent upon Item Maintenance (888) being required)	Transactional Fields for EDI (all dependent upon Item Maintenance (888) being required)	Necessary to be PTI Compliant
Code List (2 Characters)	tradeItemUnitDescriptor	Describes the hierarchical level of the trade item. If have more than one level of packaging hierarchy, would have a separate entry/record for each level of packaging hierarchy. The hierarchical level can be a bin, a case or a consumer unit etc.	CS	Y	N (depends on trading partner agreement)	Y

This attribute has specific code values to be used in data entry. See below.

Code Value	Value Name	Definition
EA	BASE_UNIT_OR_EACH	The lowest level of the item hierarchy intended or labeled for individual retail sale.
PK	PACK_OR_INNER_PACK	A logistical unit between case and each. This may be a consumable innerpack (i.e. Carton of Cigarettes) or it may be simply a logistical pack (i.e. dozens of toothbrushes).
CS	CASE	The standard shipping unit level.
PL	PALLET	A pallet is a flat transport structure designed to support a variety of goods in a stable fashion while being lifted by any mobile forklift or other jacking device.
TL	TRANSPORT_LOAD	A logistical unit which, when ordered, can provide a standard quantity of trade items from any other hierarchy level. This level can be used to define truckloads, shipping containers, rail cars, ships, and etc. This level can contain a single GTIN or multiple GTINs.

Guidance to consider:

In the produce industry, trade item would include a bin, case or consumer unit. A watermelon bin would be CS for (case). This is also where an 'inner pack' would be defined. If the item is a base level unit and thus tradeItemUnitDescriptor is not relevant only base unit indicator is true, the next lower level/child information must not be populated. For any other level above the base unit, these pieces of information are required. TI/HI information depending on whether or not there is a pallet GTIN will determine which set of attributes are used and where they are populated. QuantityOfTradeLayersPerPallet and quantityOfTradeItemsPerPalletLayer are only valid on the highest level of the hierarchy when there is no pallet hierarchy level. If the item is a consumer level unit (TradeItemUnitDescriptor is not relevant, only consumer unit indicator is true), then net content is required. It is optional in the message for other levels.

Attribute: functionalName

Data Type	Produce Industry Attribute Name	Produce Industry Definition	Example for attribute value entry	Initial Setup for EDI transactions (all dependent upon Item Maintenance (888) being required)	Transactional Fields for EDI (all dependent upon Item Maintenance (888) being required)	Necessary to be PTI Compliant
Multidescription (Allows for a language qualifier) (1 to 35 characters)	functionalName	Describes use of the product or service by the consumer. Should help clarify the product classification associated with the GTIN.	Grapefruit	Y	N (based on trade item agreement)	Y

Guidance to consider:

This should be the GPC Brick Description. Using the GPC Brick Code chosen to categorize the product associated with the GTIN, enter the appropriate Brick Description. The current listing of GPC Brick Descriptions can be accessed here. If additional Brick Codes are required, please contact PMA Supply Chain Efficiencies Department.

This attribute has standard values for data entry. Please see below.

Brick	Brick Description	PLU Commodity	PLU Variety	PLU
10000007	Nuts/Seeds – Unprepared/Unprocessed (Perishable)	ALMONDS		4924
10000206	Fruit – Prepared/Processed (Shelf Stable)	APPLE SLICES	(Dried Fruit)	4860
10005900	Apples	APPLES	Akane	4098
10005900	Apples	APPLES	Akane	4099
10005900	Apples	APPLES	Alkmene	3000
10005900	Apples	APPLES	Ambrosia	3438
10005900	Apples	APPLES	Antares	3600
10005900	Apples	APPLES	Aurora/Southern Rose	3001
10005900	Apples	APPLES	Aurora/Southern Rose	3290
10005900	Apples	APPLES	Baldwin	3075
10005900	Apples	APPLES	Belchard	3339

Brick	Brick Description	PLU Commodity	PLU Variety	PLU
10005900	Apples	APPLES	Belgica	3602
10005900	Apples	APPLES	Bertanne/Golden Russet	3340
10005900	Apples	APPLES	Boskoop/Belle de Boskoop	3291
10005900	Apples	APPLES	Boskoop/Belle de Boskoop	3292
10005900	Apples	APPLES	Braeburn	4101
10005900	Apples	APPLES	Braeburn	4103
10005900	Apples	APPLES	Cameo	3065
10005900	Apples	APPLES	Cameo	3066
10005900	Apples	APPLES	Cantared	3002
10005900	Apples	APPLES	Charles Ross	3341
10005900	Apples	APPLES	CIVG198	3629
10005900	Apples	APPLES	Civni	3615

Brick	Brick Description	PLU Commodity	PLU Variety	PLU	Brick	Brick Description	PLU Commodity	PLU Variety	PLU
10005900	Apples	APPLES	Cortland	4104	10005900	Apples	APPLES	Empire	4125
10005900	Apples	APPLES	Cortland	4106	10005900	Apples	APPLES	Empire	4127
10005900	Apples	APPLES	Cox Orange Pippin	4105	10005900	Apples	APPLES	Fiesta	4120
10005900	Apples	APPLES	Crab	4107	10005900	Apples	APPLES	Fireside	4100
10005900	Apples	APPLES	Cripps Pink	4128	10005900	Apples	APPLES	Fireside	4102
10005900	Apples	APPLES	Cripps Pink	4130	10005900	Apples	APPLES	Fuji	4129
10005900	Apples	APPLES	Cripps Red	3010	10005900	Apples	APPLES	Fuji	4131
10005900	Apples	APPLES	Cripps Red	3301	10005900	Apples	APPLES	Fuji Brak	3613
10005900	Apples	APPLES	Crispin/Mutsu	4108	10005900	Apples	APPLES	Gala	4132
10005900	Apples	APPLES	Crispin/Mutsu	4110	10005900	Apples	APPLES	Gala	4134
10005900	Apples	APPLES	Crispin/Mutsu	4109	10005900	Apples	APPLES	Gala	4133
10005900	Apples	APPLES	Crispin/Mutsu	4111	10005900	Apples	APPLES	Gala	4135
10005900	Apples	APPLES	Criterion	4113	10005900	Apples	APPLES	Ginger Gold	4097
10005900	Apples	APPLES	Criterion	4115	10005900	Apples	APPLES	Ginger Gold	4096
10005900	Apples	APPLES	Delblush	3342	10005900	Apples	APPLES	Gloster	3344
10005900	Apples	APPLES	Dessert	3343	10005900	Apples	APPLES	Gloster	3345
10005900	Apples	APPLES	D'Estivale	3003	10005900	Apples	APPLES	Golden Delicious	4136
10005900	Apples	APPLES	Discovery	3004	10005900	Apples	APPLES	Golden Delicious	4137
10005900	Apples	APPLES	Early	4116	10005900	Apples	APPLES	Golden Delicious	4021
10005900	Apples	APPLES	Early	4118	10005900	Apples	APPLES	Golden Delicious	4020
10005900	Apples	APPLES	Early	4117	10005900	Apples	APPLES	Golden Delicious	3285
10005900	Apples	APPLES	Early	4119	10005900	Apples	APPLES	Golden Delicious Blush	3005
10005900	Apples	APPLES	Elstar	4121	10005900	Apples	APPLES	Granny Smith	4138
10005900	Apples	APPLES	Elstar	4123	10005900	Apples	APPLES	Granny Smith	4018
10005900	Apples	APPLES	Emmons	3604	10005900	Apples	APPLES	Granny Smith	4139
10005900	Apples	APPLES	Empire	4124	10005900	Apples	APPLES	Granny Smith	4017
10005900	Apples	APPLES	Empire	4126	10005900	Apples	APPLES	Granny Smith	3071

Brick	Brick Description	PLU Commodity	PLU Variety	PLU	Brick	Brick Description	PLU Commodity	PLU Variety	PLU
10005900	Apples	APPLES	Gravenstein	4156	10005900	Apples	APPLES	Lord Lambourne	3348
10005900	Apples	APPLES	Gravenstein	4158	10005900	Apples	APPLES	Macoun	3073
10005900	Apples	APPLES	Gravenstein	3069	10005900	Apples	APPLES	Mariri Red	3607
10005900	Apples	APPLES	Gravenstein	3070	10005900	Apples	APPLES	McIntosh	4152
10005900	Apples	APPLES	Greening (RI)	3074	10005900	Apples	APPLES	McIntosh	4019
10005900	Apples	APPLES	Haralson	4057	10005900	Apples	APPLES	McIntosh	4153
10005900	Apples	APPLES	Haralson	4058	10005900	Apples	APPLES	McIntosh	4154
10005900	Apples	APPLES	Holstein	3346	10005900	Apples	APPLES	Melrose	3076
10005900	Apples	APPLES	Honeycrisp	3283	10005900	Apples	APPLES	Michaelmas Red	3349
10005900	Apples	APPLES	Huaguan	3601	10005900	Apples	APPLES	Milwa	3619
10005900	Apples	APPLES	Idared	4140	10005900	Apples	APPLES	Minneiska	3603
10005900	Apples	APPLES	Idared	4142	10005900	Apples	APPLES	Minnewashta	3625
10005900	Apples	APPLES	Ingrid Marie	3006	10005900	Apples	APPLES	Nicogreen	3612
10005900	Apples	APPLES	Jonagold	4144	10005900	Apples	APPLES	Nicoter	3605
10005900	Apples	APPLES	Jonagold	4146	10005900	Apples	APPLES	Northern Spy	3077
10005900	Apples	APPLES	Jonagold	4145	10005900	Apples	APPLES	Opal	3618
10005900	Apples	APPLES	Jonagold	4147	10005900	Apples	APPLES	Paulared	4155
10005900	Apples	APPLES	Jonamac	4141	10005900	Apples	APPLES	Paulared	4157
10005900	Apples	APPLES	Jonamac	4143	10005900	Apples	APPLES	Pinova	3435
10005900	Apples	APPLES	Jonathan	4148	10005900	Apples	APPLES	Pippin	4160
10005900	Apples	APPLES	Jonathan	4150	10005900	Apples	APPLES	Pippin	4162
10005900	Apples	APPLES	Jonathan	4149	10005900	Apples	APPLES	Plumac	3620
10005900	Apples	APPLES	Jonathan	4151	10005900	Apples	APPLES	PremA17	3627
10005900	Apples	APPLES	Lady	3072	10005900	Apples	APPLES	PremA280	3628
10005900	Apples	APPLES	Laxtons Fortune	3347	10005900	Apples	APPLES	Red Delicious	3284
10005900	Apples	APPLES	Liberty	3078	10005900	Apples	APPLES	Red Delicious	4167
10005900	Apples	APPLES	Lochbuie	3007	10005900	Apples	APPLES	Red Delicious	4168

Brick	Brick Description	PLU Commodity	PLU Variety	PLU
10005900	Apples	APPLES	Red Delicious	4015
10005900	Apples	APPLES	Red Delicious	4016
10005900	Apples	APPLES	Regent	4112
10005900	Apples	APPLES	Regent	4114
10005900	Apples	APPLES	Reine des Reinettes/King of the Pippins	3350
10005900	Apples	APPLES	Reine des Reinettes/King of the Pippins	3351
10005900	Apples	APPLES	Reinettes and "Heritage" varieties	3352
10005900	Apples	APPLES	Rome	4169
10005900	Apples	APPLES	Rome	4171
10005900	Apples	APPLES	Rome	4170
10005900	Apples	APPLES	Rome	4172
10005900	Apples	APPLES	Royal Gala	4173
10005900	Apples	APPLES	Royal Gala	4174
10005900	Apples	APPLES	Rubinette	3008
10005900	Apples	APPLES	Russet	3009
10005900	Apples	APPLES	Sciearly	3295
10005900	Apples	APPLES	Sciearly	3296
10005900	Apples	APPLES	Scifresh	3293
10005900	Apples	APPLES	Scifresh	3294
10005900	Apples	APPLES	Scilate	3616
10005900	Apples	APPLES	Scired	3297
10005900	Apples	APPLES	Sciros	3608
10005900	Apples	APPLES	Sciros	4122
10005900	Apples	APPLES	Sommerfeld	3272
10005900	Apples	APPLES	Sonya	3299

Brick	Brick Description	PLU Commodity	PLU Variety	PLU
10005900	Apples	APPLES	Sonya	3300
10005900	Apples	APPLES	Southern Snap	4176
10005900	Apples	APPLES	Spartan	4177
10005900	Apples	APPLES	Spartan	4179
10005900	Apples	APPLES	Spartan	4178
10005900	Apples	APPLES	Spartan	4180
10005900	Apples	APPLES	St Edmunds Pippin	3353
10005900	Apples	APPLES	Stayman	4181
10005900	Apples	APPLES	Stayman	4183
10005900	Apples	APPLES	Sturmer Pippin	4182
10005900	Apples	APPLES	Swiss Gourmet	3067
10005900	Apples	APPLES	Swiss Gourmet	3068
10005900	Apples	APPLES	Virginia Gold	3271
10005900	Apples	APPLES	Winesap	4189
10005900	Apples	APPLES	Winesap	4191
10005900	Apples	APPLES	Winesap	4190
10005900	Apples	APPLES	Winesap	4192
10005900	Apples	APPLES	Worcester	3011
10005900	Apples	APPLES	York	4185
10005900	Apples	APPLES	York	4187
10005905	Apricots	APRICOTS	(Dried Fruit)	4861
10005905	Apricots	APRICOTS	Black	3044
10005905	Apricots	APRICOTS	InterSpecific	3422
10005905	Apricots	APRICOTS	Red	3614
10005905	Apricots	APRICOTS	Regular	4218
10005905	Apricots	APRICOTS	Regular	3302
10006130	Globe Artichokes	ARTICHOKES		4516

Brick	Brick Description	PLU Commodity	PLU Variety	PLU
10006130	Globe Artichokes	ARTICHOKES		4084
10006130	Globe Artichokes	ARTICHOKES		4762
10006130	Globe Artichokes	ARTICHOKES	Baby/Cocktail	4519
10006130	Globe Artichokes	ARTICHOKES	Purple	4517
10006130	Globe Artichokes	ARTICHOKES	Purple	4518
10006130	Globe Artichokes	ARTICHOKES	Rouge Salambo (Red)	3391
10006088	Rocket	ARUGULA/ROCKET		4884
10006129	Asparagus	ASPARAGUS	Green	3392
10006129	Asparagus	ASPARAGUS	Green	4080
10006129	Asparagus	ASPARAGUS	Green	4521
10006129	Asparagus	ASPARAGUS	Purple	3079
10006129	Asparagus	ASPARAGUS	Purple	3394
10006129	Asparagus	ASPARAGUS	Tips	4524
10006129	Asparagus	ASPARAGUS	White	4522
10006129	Asparagus	ASPARAGUS	White	4523
10006129	Asparagus	ASPARAGUS	White	3393
10006168	Avocados - Pebbled Peel (Hass-Type)	AVOCADOS	Hass	4046
10006168	Avocados - Pebbled Peel (Hass-Type)	AVOCADOS	Hass	4225
10006168	Avocados - Pebbled Peel (Hass-Type)	AVOCADOS	Hass	4770
10006169	Avocados - Smooth Peel	AVOCADOS	Pinkerton	3080
10005955	Babacos	BABACO		3303
10005897	Bananas	BANANAS	Burro	4229
10005897	Bananas	BANANAS	Dominique	4230
10005897	Bananas	BANANAS	Green	4231

Brick	Brick Description	PLU Commodity	PLU Variety	PLU
10005897	Bananas	BANANAS	Hawaiian plantain	3287
10005897	Bananas	BANANAS	Leaves	4232
10005897	Bananas	BANANAS	Manzano/Apple	4233
10005897	Bananas	BANANAS	Nino	4234
10005898	Plantain Bananas	BANANAS	Plantain/Macho	4235
10005899	Red Bananas	BANANAS	Red	4236
10005897	Bananas	BANANAS	Yellow (including Cavendish)	4011
10005897	Bananas	BANANAS	Yellow (including Cavendish)	4186
10006041	Basil	BASIL		4885
10006041	Basil	BASIL	Opal	4886
10006041	Basil	BASIL	Sweet	4887
10000048	Herbs/Spices (Perishable)	BAY LEAVES		3062
10005980	Broad Beans	BEANS	Fava/Broad	4528
10006158	Yardlong Beans	BEANS	Chinese Long/Snake	4527
10005980	Broad Beans	BEANS	Helda/Flat	3048
10005976	French/Wax Beans	BEANS	Fine	3049
10005976	French/Wax Beans	BEANS	Green/French	4066
10005976	French/Wax Beans	BEANS	Shell	4532
10005976	French/Wax Beans	BEANS	Wax/Yellow	4533
10005982	Lima Beans	BEANS	Lima	4529
10005979	Runner Beans	BEANS	Pole/Runner/Stick	4530
10006158	Yardlong Beans	BEANS	Purple Hull	4531
10006121	Beetroot	BEET GREENS		4542
10006121	Beetroot	BEETS	Baby Golden	4537
10006121	Beetroot	BEETS	Baby Red	4538
10006121	Beetroot	BEETS	Bunch	4539
10006121	Beetroot	BEETS	Golden	3273
10006121	Beetroot	BEETS	Loose	4540

Brick	Brick Description	PLU Commodity	PLU Variety	PLU
10006097	Endive (Curled)	BELGIAN ENDIVE (WITLOOF CHICORY)		4543
10006097	Endive (Curled)	BELGIAN ENDIVE (WITLOOF CHICORY)	Red	3395
10005923	Blackberries	BERRIES	Blackberries	4239
10005929	Blueberries	BERRIES	Blueberries	4240
10005924	Boysenberries	BERRIES	Boysenberries	4241
10005930	Cranberries	BERRIES	Cranberries	4242
10005932	Gooseberries	BERRIES	Gooseberries	4243
10005927	Raspberries	BERRIES	Raspberries	4244
10005927	Raspberries	BERRIES	Raspberries	4245
10005927	Raspberries	BERRIES	Raspberries	4054
10005921	Strawberries	BERRIES	Long-stemmed Strawberries	4251
10005922	Strawberries	BERRIES	Strawberries	4246
10005922	Strawberries	BERRIES	Strawberries	4247
10005922	Strawberries	BERRIES	Strawberries	4249
10005922	Strawberries	BERRIES	Strawberries	4028
10005922	Strawberries	BERRIES	Strawberries	4248
10005922	Strawberries	BERRIES	Strawberries	4250
10005922	Strawberries	BERRIES	Strawberries	4323
10005922	Strawberries	BERRIES	Strawberries	3355
10005922	Strawberries	BERRIES	Strawberries	3356
10000006	Vegetables – Unprepared/ Unprocessed (Shelf Stable)	BOK CHOY (PAK CHOY)		4545
10000006	Vegetables – Unprepared/ Unprocessed (Shelf Stable)	BOK CHOY (PAK CHOY)	Shanghai	3163

Brick	Brick Description	PLU Commodity	PLU Variety	PLU
10000006	Vegetables – Unprepared/ Unprocessed (Shelf Stable)	BOK CHOY (PAK CHOY)	Small/Baby	4544
10006111	Sweet Potatoes	BONIATO	See also SWEET POTATO	4546
10006047	Borage	BORAGE		3419
10000007	Nuts/Seeds – Unprepared/ Unprocessed (Perishable)	BRAZILNUTS		4926
10005973	Bread fruits	BREADFRUIT		4254
10005988	Broccoli	BROCCOLI		4060
10005988	Broccoli	BROCCOLI	Baby	3277
10005988	Broccoli	BROCCOLI	Broccoli Rabe (Italian Rapini) Chinese Broccoli See GAI LAN	4547
10005988	Broccoli	BROCCOLI	Crowns	3082
10005988	Broccoli	BROCCOLI	Florettes	4548
10005996	Brussels Sprouts	BRUSSELS SPROUTS		4550
10005996	Brussels Sprouts	BRUSSELS SPROUTS	Stalk	3083
10006143	Chinese Cabbages	CABBAGE	Chinese/Napa/Wong Bok	4552
10006144	Kale	CABBAGE	Spring Cabbage/Spring Greens	3051
10005999	White Cabbages	CABBAGE	Dutch White/Winter White	3050
10005999	White Cabbages	CABBAGE	Green	4069
10005997	Red Cabbages	CABBAGE	Red	4554
10006000	Savoy Cabbages	CABBAGE	Savoy, Green	4555
10006000	Savoy Cabbages	CABBAGE	Savoy, Red	3396
10005999	White Cabbages	CABBAGE	Summer Cabbage	3397
10005967	Prickly Pears (Barbary Figs)	CACTUS LEAVES (Nopales/Cactus Pads)		4558
10005967	Prickly Pears (Barbary Figs)	CACTUS PEAR (PRICKLY PEAR)		4255

Brick	Brick Description	PLU Commodity	PLU Variety	PLU
10005961	Carambola	CARAMBOLA (STARFRUIT)		4256
10006135	Cardoons	CARDOON (CARDONI)		4559
10006122	Carrots	CARROTS	Baby	4560
10006122	Carrots	CARROTS	Bunch	4094
10006122	Carrots	CARROTS	Carrot Sticks	4563
10006122	Carrots	CARROTS	French	4561
10006122	Carrots	CARROTS	Loose	4562
10006122	Carrots	CARROTS	Purple/Red	3424
10000007	Nuts/Seeds – Unprepared/ Unprocessed (Perishable)	CASHEWS		3105
10005987	Cauliflower	CAULIFLOWER		4079
10005987	Cauliflower	CAULIFLOWER		4572
10005987	Cauliflower	CAULIFLOWER	Baby	4573
10005987	Cauliflower	CAULIFLOWER	Florettes	4566
10005987	Cauliflower	CAULIFLOWER	Green	4567
10005987	Cauliflower	CAULIFLOWER	Orange	3436
10005987	Cauliflower	CAULIFLOWER	Purple	4568
10005987	Cauliflower	CAULIFLOWER	Romanesco/Broccoflower/ Caulibroc	3320
10006131	Celery	CELERY	Bunch	4071
10006131	Celery	CELERY	Bunch	4582
10006131	Celery	CELERY	Bunch	4070
10006131	Celery	CELERY	Bunch	4583
10006131	Celery	CELERY	Celery Sticks	4576
10006131	Celery	CELERY	Hearts	4575

Brick	Brick Description	PLU Commodity	PLU Variety	PLU
10006123	Celeriac	CELERY ROOT/ CELERIAC		4585
10006123	Celeriac	CELERY ROOT/ CELERIAC	With leaves attached	3321
10006121	Beetroot	CHARD (SWISS CHARD)/SILVER-BEET	Green	4586
10006121	Beetroot	CHARD (SWISS CHARD)/SILVER-BEET	Red	4587
10005939	Cherimoya	CHERIMOYA		4257
10005908	Stemless/Sweet Cherries	CHERRIES	Golden/Rainier/White	4258
10005908	Stemless/Sweet Cherries	CHERRIES	Regular/Red/Black	4045
10005908	Stemless/Sweet Cherries	CHERRIES	Regular/Red/Black	3357
10005908	Stemless/Sweet Cherries	CHERRIES	Regular/Red/Black	3358
10006053	Chervil	CHERVIL		3084
10000007	Nuts/Seeds – Unprepared/ Unprocessed (Perishable)	CHESTNUTS		4927
10006074	Chives	CHIVES		4888
10000006	Vegetables – Unprepared/ Unprocessed (Shelf Stable)	CHOY SUM/PAK CHOY SUM		3322
10000006	Vegetables – Unprepared/ Unprocessed (Shelf Stable)	CHOY SUM/PAK CHOY SUM	Baby	3323
10000003	Fruit – Unprepared/Unpro-cessed (Shelf Stable)	COCONUTS	Husked	4261
10000003	Fruit – Unprepared/Unpro-cessed (Shelf Stable)	COCONUTS	In Husk/Waternut	4260
10006147	Sweetcorn	CORN	Sweet Corn, Baby	4589
10006147	Sweetcorn	CORN	Sweet Corn, Bi-Color	4590

Brick	Brick Description	PLU Commodity	PLU Variety	PLU
10006147	Sweetcorn	CORN	Sweet Corn, White	4077
10006147	Sweetcorn	CORN	Sweet Corn, Yellow	4078
10006014	Cucumbers	CUCUMBER	Armenian	4592
10006014	Cucumbers	CUCUMBER	English/Hot House/Long Seed-less/Telegraph/Continental	4593
10006014	Cucumbers	CUCUMBER	Green/Ridge/Short	4062
10006014	Cucumbers	CUCUMBER	Japanese/White	4594
10006014	Cucumbers	CUCUMBER	Lemon	4595
10006014	Cucumbers	CUCUMBER	Pickling/Gherkin	4596
10006194	Black Currants	CURRANTS	Black	3305
10006193	Red Currants	CURRANTS	Red	3088
10006114	Radishes	DAIKON	(See also RADISH)	4598
10005959	Dates	DATES	(Dried Fruit)	4862
10005959	Dates	DATES	Fresh	4263
10005959	Dates	DATES	Fresh	3045
10005959	Dates	DATES	Fresh	3046
10005959	Dates	DATES	Medjool	3047
10006049	Dill	DILL		4891
10006049	Dill	DILL	Baby	4892
10006049	Dill	DILL	Pickling	4893
10006128	Aubergines	EGGPLANT (AUBERGINE)	Baby	4599
10006128	Aubergines	EGGPLANT (AUBERGINE)	Baby White	4600
10006128	Aubergines	EGGPLANT (AUBERGINE)	Chinese	3089
10006128	Aubergines	EGGPLANT (AUBERGINE)	Japanese	4601

Brick	Brick Description	PLU Commodity	PLU Variety	PLU
10006128	Aubergines	EGGPLANT (AUBERGINE)	Regular	4081
10006128	Aubergines	EGGPLANT (AUBERGINE)	Thai	3090
10006128	Aubergines	EGGPLANT (AUBERGINE)	White	4602
10006097	Endive (Curled)	ENDIVE/CHICORY		4604
10006155	Escarole	ESCAROLE/BATA-VIAN CHICORY	â€ Red	3324
10006155	Escarole	ESCAROLE/BATA-VIAN CHICORY	Green	4605
10006160	Feijoas	FEIJOA		4265
10006052	Fennel	FENNEL	Florence/Sweet Fennel/Fennel Bulb	4515
10006052	Fennel	FENNEL LEAVES		3063
10005960	Figs	FIGS	(Dried Fruit)	3337
10005960	Figs	FIGS	Black	4266
10005960	Figs	FIGS	Brown	4267
10005960	Figs	FIGS	White/Green	4268
10000007	Nuts/Seeds – Unprepared/Unprocessed (Perishable)	FILBERTS	Cobnut/Hazelnut	4928
10006097	Endive (Curled)	FRISEE		3167
10005988	Broccoli	GAI LAN	(synonymous with Chinese Broccoli)	3160
10006004	Elephant Garlic	GARLIC	Elephant	4609
10006003	Garlic	GARLIC	One-clove types	3401
10006003	Garlic	GARLIC	Regular	3399
10006003	Garlic	GARLIC	Regular	3400

Brick	Brick Description	PLU Commodity	PLU Variety	PLU
10006003	Garlic	GARLIC	Regular	4608
10006003	Garlic	GARLIC	String	3052
10006113	Ginger	GINGER ROOT	Regular	4612
10005876	Grapefruits	GRAPEFRUIT	Deep Red	4284
10005876	Grapefruits	GRAPEFRUIT	Deep Red	4287
10005876	Grapefruits	GRAPEFRUIT	Deep Red	4494
10005876	Grapefruits	GRAPEFRUIT	Deep Red	4286
10005876	Grapefruits	GRAPEFRUIT	Deep Red	4289
10005876	Grapefruits	GRAPEFRUIT	Deep Red	4496
10005876	Grapefruits	GRAPEFRUIT	Deep Red	4285
10005876	Grapefruits	GRAPEFRUIT	Deep Red	4288
10005876	Grapefruits	GRAPEFRUIT	Deep Red	4495
10005876	Grapefruits	GRAPEFRUIT	Melogold	3152
10005876	Grapefruits	GRAPEFRUIT	OroBlanco/Sweetie	3092
10005876	Grapefruits	GRAPEFRUIT	Pummelo	4279
10005876	Grapefruits	GRAPEFRUIT	Pummelo	3129
10005876	Grapefruits	GRAPEFRUIT	Ruby/Red/Pink	4027
10005876	Grapefruits	GRAPEFRUIT	Ruby/Red/Pink	4281
10005876	Grapefruits	GRAPEFRUIT	Ruby/Red/Pink	4491
10005876	Grapefruits	GRAPEFRUIT	Ruby/Red/Pink	4280
10005876	Grapefruits	GRAPEFRUIT	Ruby/Red/Pink	4283
10005876	Grapefruits	GRAPEFRUIT	Ruby/Red/Pink	4493
10005876	Grapefruits	GRAPEFRUIT	Ruby/Red/Pink	4047
10005876	Grapefruits	GRAPEFRUIT	Ruby/Red/Pink	4282
10005876	Grapefruits	GRAPEFRUIT	Ruby/Red/Pink	4492
10005876	Grapefruits	GRAPEFRUIT	White	4290
10005876	Grapefruits	GRAPEFRUIT	White	4293

Brick	Brick Description	PLU Commodity	PLU Variety	PLU
10005876	Grapefruits	GRAPEFRUIT	White	3157
10005876	Grapefruits	GRAPEFRUIT	White	4292
10005876	Grapefruits	GRAPEFRUIT	White	4295
10005876	Grapefruits	GRAPEFRUIT	White	3158
10005876	Grapefruits	GRAPEFRUIT	White	4291
10005876	Grapefruits	GRAPEFRUIT	White	4294
10005876	Grapefruits	GRAPEFRUIT	White	3159
10005876	Grapefruits	GRAPEFRUIT	Without p/harvest treatment	3361
10005918	Table Grapes	GRAPES	Blue/Black Seeded	4270
10005918	Table Grapes	GRAPES	Blue/Black Seeded	4957
10005918	Table Grapes	GRAPES	Blue/Black Seedless	4056
10005918	Table Grapes	GRAPES	Champagne	4271
10005918	Table Grapes	GRAPES	Chasselas	3359
10005918	Table Grapes	GRAPES	Concord	4272
10005918	Table Grapes	GRAPES	Crimson/Majestic	4499
10005918	Table Grapes	GRAPES	Fantasy/Marroo	4638
10005918	Table Grapes	GRAPES	Italia	3043
10005918	Table Grapes	GRAPES	Muscat de Hambourg	3360
10005918	Table Grapes	GRAPES	Red Globe	4636
10005918	Table Grapes	GRAPES	Red Seeded	4637
10005918	Table Grapes	GRAPES	Red Seeded	4273
10005918	Table Grapes	GRAPES	Red Seedless	4635
10005918	Table Grapes	GRAPES	Red Seedless	4023
10005918	Table Grapes	GRAPES	Sugraone/Autumn Seedless	4497
10005918	Table Grapes	GRAPES	White/Green Seeded	4274
10005918	Table Grapes	GRAPES	White/Green Seedless	4498
10005918	Table Grapes	GRAPES	White/Green Seedless	4022

Brick	Brick Description	PLU Commodity	PLU Variety	PLU
10006197	Pointed Cabbage	GREENS	Collard	4614
10006197	Pointed Cabbage	GREENS	Polk Greens	4617
10006120	Turnips	GREENS	Turnip	4619
10005971	Guavas	GUAVA		4299
10006124	Horseradish	HORSERADISH ROOT		4625
10006144	Kale	KALE		4627
10006144	Kale	KALE	Multicolor	3095
10005937	Kiwifruits	KIWIFRUIT	Golden	3279
10005937	Kiwifruits	KIWIFRUIT	Regular	4030
10005937	Kiwifruits	KIWIFRUIT	Regular	3280
10006146	Kohlrabi	KOHLRABI		4628
10006146	Kohlrabi	KOHLRABI	Purple/Red/All Other Colors	3096
10006133	Leek	LEEKS	Baby	4630
10006133	Leek	LEEKS	Baby	3403
10006133	Leek	LEEKS	Regular	3402
10006133	Leek	LEEKS	Regular	4629
10006159	Lemongras	LEMON GRASS		4894
10005882	Lemons	LEMONS		4033
10005882	Lemons	LEMONS		4958
10005882	Lemons	LEMONS		4053
10005882	Lemons	LEMONS	Seedless	3617
10005882	Lemons	LEMONS	Without postharvest treatment	3362
10005882	Lemons	LEMONS	Meyer	3626
10006097	Endive (Curled)	LETTUCE	Catalogna	3169
10006267	Head/Iceberg Lettuce	LETTUCE	Bibb/Flat/Round	4631
10006267	Head/Iceberg Lettuce	LETTUCE	Boston	3098

Brick	Brick Description	PLU Commodity	PLU Variety	PLU
10006267	Head/Iceberg Lettuce	LETTUCE	Boston/Butter	4632
10006267	Head/Iceberg Lettuce	LETTUCE	Iceberg	4634
10006267	Head/Iceberg Lettuce	LETTUCE	Iceberg	4061
10006267	Head/Iceberg Lettuce	LETTUCE	Mignonette (Compact red-tinged butterhead varieties)	3327
10006086	Lambs Lettuce	LETTUCE	Mache	4639
10006079	Leaf Lettuce	LETTUCE	Green Leaf	4076
10006079	Lollo/Bionda/Rosso /Oak Leaf Lettuce	LETTUCE	Lollo Bionda/Coral	3325
10006079	Lollo/Bionda/Rosso /Oak Leaf Lettuce	LETTUCE	Lollo Rossa/Coral	3326
10006079	Lollo/Bionda/Rosso /Oak Leaf Lettuce	LETTUCE	Oak Leaf	3329
10006079	Lollo/Bionda/Rosso /Oak Leaf Lettuce	LETTUCE	Oak Leaf	3330
10006079	Lollo/Bionda/Rosso /Oak Leaf Lettuce	LETTUCE	Red Leaf	4075
10006085	Romaine (Cos) Lettuce	LETTUCE	Romaine	3097
10006085	Romaine (Cos) Lettuce	LETTUCE	Romaine/Cos	4640
10005885	Limequats	LIMEQUATS		4328
10005884	Limes	LIMES	Regular (incl. Persian, Tahiti & Bearss)	4048
10005883	Mexican Limes	LIMES	Key (incl. Mexican & West Indian)	4305
10005901	Japanese Medlars	LOQUATS		4308
10005964	Lychees (Litchi)	LYCHEES		4309
10000007	Nuts/Seeds – Unprepared/ Unprocessed (Perishable)	MACADAMIA		3106
10005969	Mangos	MANGO	Bowen & Kensington Pride	3363

Brick	Brick Description	PLU Commodity	PLU Variety	PLU
10005969	Mangos	MANGO	Francis	3621
10005969	Mangos	MANGO	Green	4311
10005969	Mangos	MANGO	Green	3114
10005969	Mangos	MANGO	Green	4584
10005969	Mangos	MANGO	R2E2 (ArtwoEetwo)	3364
10005969	Mangos	MANGO	Red	4051
10005969	Mangos	MANGO	Red	4959
10005969	Mangos	MANGO	Ripe/Ready-to-Eat	3365
10005969	Mangos	MANGO	Yellow	4312
10005969	Mangos	MANGO	Yellow	4961
10005968	Mangosteen	MANGOSTEEN		3042
10006059	Marjoram	MARJORAM		4895
10006174	Ananas	MELON	Muskmelon	4318
10006174	Ananas	MELON	Muskmelon	4319
10006174	Ananas	MELON	Muskmelon	4332
10006174	Ananas	MELON	Persian	4334
10006180	Canari	MELON	Canary/Yellow Honeydew	4317
10006183	Galia	MELON	Galia	4326
10006182 or 10006179 or 10006177 or 1006181 or 10006178	Green Charentais or Green Eastern Shipper or Western Shipper or Yellow Charentais or Yellow Eastern Shipper	MELON	Cantaloupe/Muskmelon	4318

Brick	Brick Description	PLU Commodity	PLU Variety	PLU
10006182 or 10006179 or 10006177 or 1006181 or 10006178	Green Charentais or Green Eastern Shipper or Western Shipper or Yellow Charentais or Yellow Eastern Shipper	MELON	Cantaloupe/Muskmelon	4319
10006182 or 10006179 or 10006177 or 1006181 or 10006178	Green Charentais or Green Eastern Shipper or Western Shipper or Yellow Charentais or Yellow Eastern Shipper	MELON	Cantaloupe/Rockmelon	4049
10006182 or 10006179 or 10006177 or 1006181 or 10006178	Green Charentais or Green Eastern Shipper or Western Shipper or Yellow Charentais or Yellow Eastern Shipper	MELON	Cantaloupe/Rockmelon	4050
10006182 or 10006179 or 10006177 or 1006181 or 10006178	Green Charentais or Green Eastern Shipper or Western Shipper or Yellow Charentais or Yellow Eastern Shipper	MELON	Crenshaw	4322

Brick	Brick Description	PLU Commodity	PLU Variety	PLU
10006182 or 10006179 or 10006177 or 1006181 or 10006178	Green Charentais or Green Eastern Shipper or Western Shipper or Yellow Charentais or Yellow Eastern Shipper	MELON	Mayan	4330
10006182 or 10006179 or 10006177 or 1006181 or 10006178	Green Charentais or Green Eastern Shipper or Western Shipper or Yellow Charentais or Yellow Eastern Shipper	MELON	Orange Flesh/Cantaline	4327
10006182 or 10006179 or 10006177 or 1006181 or 10006178	Green Charentais or Green Eastern Shipper or Western Shipper or Yellow Charentais or Yellow Eastern Shipper	MELON	Prince	4335
10006182 or 10006179 or 10006177 or 1006181 or 10006178	Green Charentais or Green Eastern Shipper or Western Shipper or Yellow Charentais or Yellow Eastern Shipper	MELON	Saticoy	4337

Brick	Brick Description	PLU Commodity	PLU Variety	PLU
10006182 or 10006179 or 10006177 or 1006181 or 10006178	Green Charentais or Green Eastern Shipper or Western Shipper or Yellow Charentais or Yellow Eastern Shipper	MELON	Sharlin	4338
10006182 or 1006181	Green Charentais or Yellow Charentais	MELON	Charentais	3306
10006182 or 1006181	Green Charentais or Yellow Charentais	MELON	Charentais	3307
10006182 or 1006181	Green Charentais or Yellow Charentais	MELON	Charentais	3033
10006182 or 1006181	Green Charentais or Yellow Charentais	MELON	Charentais	3034
10006184	Honeydew	MELON	Gold Honeydew	3100
10006184	Honeydew	MELON	Casaba	4320
10006182 or 10006179 or 10006177 or 1006181 or 10006178	Green Charentais or Green Eastern Shipper or Western Shipper or Yellow Charentais or Yellow Eastern Shipper	MELON	Hami	3623
10006184	Honeydew	MELON	Honey Green	3622
10006184	Honeydew	MELON	Honeydew/White Honeydew	4329
10006184	Honeydew	MELON	Honeydew/White Honeydew	4034
10006184	Honeydew	MELON	Sprite	3289

Brick	Brick Description	PLU Commodity	PLU Variety	PLU
10006037	Watermelons	MELON	Mickey Lee Watermelon/Sugarbaby	4331
10006186	Ogen	MELON	Ogen	3368
10006187	Piel de Sapo	MELON	Piel de Sapo	3101
10006187	Piel de Sapo	MELON	Santa Claus	4336
10006189	Tendral	MELON	Spanish/Tendral	4339
10006037	Watermelons	MELON	Watermelon	3421
10006037	Watermelons	MELON	Watermelon	3308
10006037	Watermelons	MELON	Watermelon	4031
10006037	Watermelons	MELON	Watermelon	4032
10006037	Watermelons	MELON	Watermelon	4340
10006037	Watermelons	MELON	Watermelon	4341
10006037	Watermelons	MELON	Watermelon	3281
10006062	Peppermint	MINT		4896
10000007	Nuts/Seeds – Unprepared/Unprocessed (Perishable)	MIXED NUTS		4929
10006157	Cultivated Mushroom	MUSHROOMS	Black Forest	4646
10006157	Cultivated Mushroom	MUSHROOMS	Cep	3404
10006033	Cultivated Mushroom	MUSHROOMS	Chanterelle	4647
10006157	Cultivated Mushroom	MUSHROOMS	Cremini/Brown/Swiss Brown	4648
10006157	Cultivated Mushroom	MUSHROOMS	Enoki	3103
10006157	Cultivated Mushroom	MUSHROOMS	Fairy Ring Champignon	3405
10006157	Cultivated Mushroom	MUSHROOMS	Grey	3406
10006157	Cultivated Mushroom	MUSHROOMS	Grisette	3407
10006157	Cultivated Mushroom	MUSHROOMS	Horn of Plenty/Black Trumpet	3408
10006032	Cultivated Mushroom	MUSHROOMS	Morel	3102
10006157	Cultivated Mushroom	MUSHROOMS	Pioppino	3409

Brick	Brick Description	PLU Commodity	PLU Variety	PLU
10006157	Cultivated Mushroom	MUSHROOMS	Portabella	4650
10006157	Cultivated Mushroom	MUSHROOMS	Regular	4085
10006157	Cultivated Mushroom	MUSHROOMS	Regular, Button	4645
10006157	Cultivated Mushroom	MUSHROOMS	Saffron Milk-Cap	3410
10006157	Cultivated Mushroom	MUSHROOMS	Sheep Polypore	3411
10006157	Cultivated Mushroom	MUSHROOMS	Wood Ear	4652
10006031	Oyster Mushrooms	MUSHROOMS	Oyster	4649
10006034	Shiitake Mushrooms	MUSHROOMS	Shiitake	4651
10005911	Nectarines	NECTARINE	Flat Yellow	3437
10005911	Nectarines	NECTARINE	Nectavigne (Red Flesh)	3369
10005911	Nectarines	NECTARINE	White Flesh Flat	3439
10005911	Nectarines	NECTARINE	White Flesh, Tree Ripened, Ready-to-eat	4188
10005911	Nectarines	NECTARINE	White Flesh, Tree Ripened, Ready-to-eat	3035
10005911	Nectarines	NECTARINE	Yellow Flesh	4035
10005911	Nectarines	NECTARINE	Yellow Flesh	4036
10005911	Nectarines	NECTARINE	Yellow Flesh, Tree Ripened, Ready-to-eat	4377
10005911	Nectarines	NECTARINE	Yellow Flesh, Tree Ripened, Ready-to-eat	4378
10006148	Okra	OKRA	Chinese	4656
10006148	Okra	OKRA	Red	4657
10006148	Okra	OKRA	Regular (Green)	4655
10006006	Onions	ONIONS	Boiling	4658
10006006	Onions	ONIONS	Bulb	4659
10006006	Onions	ONIONS	California Sweet	4165

Brick	Brick Description	PLU Commodity	PLU Variety	PLU
10006006	Onions	ONIONS	Maui	4164
10006006	Onions	ONIONS	Other Sweet	4166
10006006	Onions	ONIONS	Pearl	4660
10006006	Onions	ONIONS	Pickling, White	4661
10006006	Onions	ONIONS	Red	4082
10006006	Onions	ONIONS	Red Fresh	3331
10006006	Onions	ONIONS	Sweet red Italian	3286
10006006	Onions	ONIONS	Texas Sweet	4161
10006006	Onions	ONIONS	Vidalia	4159
10006006	Onions	ONIONS	Walla Walla	4163
10006006	Onions	ONIONS	White	4663
10006006	Onions	ONIONS	Yellow/Brown	4665
10006006	Onions	ONIONS	Yellow/Brown	4093
10006006	Onions	ONIONS	Yellow/Brown Fresh	3412
10006009	Shallots	ONIONS	Shallots	4662
10006005	Spring Onions	ONIONS	Green (Scallions)/Spring	4068
10005889	Oranges	ORANGES	Blood	4381
10005889	Oranges	ORANGES	Delta Seedless	3028
10005889	Oranges	ORANGES	Delta Seedless	3153
10005889	Oranges	ORANGES	Delta Seedless	3154
10005889	Oranges	ORANGES	Juice	4382
10005889	Oranges	ORANGES	Lima	3309
10005889	Oranges	ORANGES	Maltaise	3370
10005889	Oranges	ORANGES	Midknight	3036
10005889	Oranges	ORANGES	Midknight	3155
10005889	Oranges	ORANGES	Midknight	3156
10005889	Oranges	ORANGES	Navel	4384

Brick	Brick Description	PLU Commodity	PLU Variety	PLU
10005889	Oranges	ORANGES	Navel	4385
10005889	Oranges	ORANGES	Navel	4013
10005889	Oranges	ORANGES	Navel	3107
10005889	Oranges	ORANGES	Navel	4012
10005889	Oranges	ORANGES	Navel	3110
10005889	Oranges	ORANGES	Navelate (and other late Navel varieties)	3372
10005889	Oranges	ORANGES	Navelina (incl. Newhall)	3373
10005889	Oranges	ORANGES	Pera	3310
10005889	Oranges	ORANGES	Salustiana	3371
10005889	Oranges	ORANGES	Seville (Marmalade type)	3109
10005889	Oranges	ORANGES	Shamouti	3027
10005889	Oranges	ORANGES	Temple	4386
10005889	Oranges	ORANGES	Temple	4387
10005889	Oranges	ORANGES	Valencia	4014
10005889	Oranges	ORANGES	Valencia	4014
10005889	Oranges	ORANGES	Valencia	3108
10005889	Oranges	ORANGES	Valencia	4388
10005889	Oranges	ORANGES	Valencia	4388
10005889	Oranges	ORANGES	Without postharvest treatment	3374
10006066	Oregano	OREGANO		4897
10005954	Papayas Formosa	PAPAYA/PAWPAW	Cooking/Mexican	4395
10005954	Papayas Formosa	PAPAYA/PAWPAW	Meridol	3112
10005954	Papayas Formosa	PAPAYA/PAWPAW	Red-Fleshed (Solo Sunrise)	3111
10005954	Papayas Formosa	PAPAYA/PAWPAW	Regular	4052
10005954	Papayas Formosa	PAPAYA/PAWPAW	Regular	4394
10006068	Italian Parsley	PARSLEY	Italian/Continental/French	4901

Brick	Brick Description	PLU Commodity	PLU Variety	PLU
10006198	Parsley (Curled)	PARSLEY	Regular/Curly	4899
10006127	Parsley Root	PARSLEY ROOT (HAMBURG PARSLEY)		4671
10006126	Parsnips	PARSNIP		4672
10006126	Parsnips	PARSNIP	Baby	3053
10005912	Peaches	PEACHES	de Vigne & Sanguine (Red Flesh)	3375
10005912	Peaches	PEACHES	Flat White Flesh (Saturn type)	3113
10005912	Peaches	PEACHES	Flat Yellow Flesh	3115
10005912	Peaches	PEACHES	Indian	4399
10005912	Peaches	PEACHES	White Flesh	4400
10005912	Peaches	PEACHES	White Flesh	4401
10005912	Peaches	PEACHES	White Flesh	3313
10005912	Peaches	PEACHES	White Flesh	3314
10005912	Peaches	PEACHES	Yellow Flesh	4402
10005912	Peaches	PEACHES	Yellow Flesh	4403
10005912	Peaches	PEACHES	Yellow Flesh	4037
10005912	Peaches	PEACHES	Yellow Flesh	4038
10005912	Peaches	PEACHES	Yellow Flesh	3116
10005912	Peaches	PEACHES	Yellow Flesh	3117
10005912	Peaches	PEACHES	Yellow Flesh	4043
10005912	Peaches	PEACHES	Yellow Flesh	4044
10000007	Nuts/Seeds – Unprepared/ Unprocessed (Perishable)	PEANUTS		4930
10000007	Nuts/Seeds – Unprepared/ Unprocessed (Perishable)	PEANUTS	Raw	4931
10000007	Nuts/Seeds – Unprepared/ Unprocessed (Perishable)	PEANUTS	Roasted	4932

Brick	Brick Description	PLU Commodity	PLU Variety	PLU
10000007	Nuts/Seeds – Unprepared/ Unprocessed (Perishable)	PEANUTS	Roasted	4933
10005903	Pears	PEARS	Abate Fetel	3012
10005903	Pears	PEARS	Alexander Lucas	3376
10005903	Pears	PEARS	Anjou	4025
10005903	Pears	PEARS	Anjou	4416
10005903	Pears	PEARS	Anjou	4417
10005903	Pears	PEARS	Asian/Nashi	4406
10005903	Pears	PEARS	Asian/Nashi	4407
10005903	Pears	PEARS	Asian/Nashi	4408
10005903	Pears	PEARS	Bartlett	4410
10005903	Pears	PEARS	Bartlett/Williams/WBC	4024
10005903	Pears	PEARS	Bartlett/Williams/WBC	4409
10005903	Pears	PEARS	Beurre Hardy	3013
10005903	Pears	PEARS	Bon Rouge	3014
10005903	Pears	PEARS	Bosc/Beurre Bosc	4411
10005903	Pears	PEARS	Bosc/Beurre Bosc	4412
10005903	Pears	PEARS	Bosc/Beurre Bosc	4026
10005903	Pears	PEARS	Bosc/Beurre Bosc	4413
10005903	Pears	PEARS	Chinese Yali	4890
10005903	Pears	PEARS	Clara Friis	3015
10005903	Pears	PEARS	Comice/ Doyenne du Comice	4414
10005903	Pears	PEARS	Concorde	3016
10005903	Pears	PEARS	Conference	3017
10005903	Pears	PEARS	Durondeau	3018
10005903	Pears	PEARS	Flamingo	3019
10005903	Pears	PEARS	Forelle/Corella	4418

Brick	Brick Description	PLU Commodity	PLU Variety	PLU
10005903	Pears	PEARS	Fragrant	4960
10005903	Pears	PEARS	French	4419
10005903	Pears	PEARS	General Leclerc	3020
10005903	Pears	PEARS	Guyot	3021
10005903	Pears	PEARS	Josephine	3022
10005903	Pears	PEARS	King Royal	4420
10005903	Pears	PEARS	Louise Bonne	3377
10005903	Pears	PEARS	Packham/Packhams Triumph	4421
10005903	Pears	PEARS	Passe Crassane	3318
10005903	Pears	PEARS	Passe Crassane	3023
10005903	Pears	PEARS	Red	4415
10005903	Pears	PEARS	Rocha	3024
10005903	Pears	PEARS	Rosemarie	3025
10005903	Pears	PEARS	Santa Maria	3378
10005903	Pears	PEARS	Seckel	4422
10005903	Pears	PEARS	Starkrimson	3118
10005903	Pears	PEARS	Sweet Sensation	3606
10005903	Pears	PEARS	Taylors Gold	4553
10005903	Pears	PEARS	Tosca	3434
10005903	Pears	PEARS	Tree Ripened	4423
10005903	Pears	PEARS	Triumph de Vienne	3026
10005903	Pears	PEARS	Winter Nelis/Honey	4424
10005984	Peas	PEAS	Blackeyed	4673
10005984	Peas	PEAS	Chinese Snow Pea/Pea Pod/ Mange Tout	4092
10005984	Peas	PEAS	Green	4674
10005985	Sugar Peas	PEAS	Sugar Snap	4675

Brick	Brick Description	PLU Commodity	PLU Variety	PLU
10000007	Nuts/Seeds – Unprepared/ Unprocessed (Perishable)	PECANS		4936
10006102	Chilli Peppers	PEPPERS (CAPSICUMS)	Chili	4685
10006102	Chilli Peppers	PEPPERS (CAPSICUMS)	Chili	4686
10006102	Chilli Peppers	PEPPERS (CAPSICUMS)	Chili	4772
10006102	Chilli Peppers	PEPPERS (CAPSICUMS)	Morita Chili	4698
10006102	Chilli Peppers	PEPPERS (CAPSICUMS)	New Mexico	4700
10006102	Chilli Peppers	PEPPERS (CAPSICUMS)	Red Finger	4707
10006102	Chilli Peppers	PEPPERS (CAPSICUMS)	Tabasco	3413
10006195	Pepper Variety Packs	PEPPERS (CAPSICUMS)	Anaheim (Green and Red)	4677
10006100	Elongated Sweet Peppers (Pointed)	PEPPERS (CAPSICUMS)	Banana (Yellow Long)	4678
10006100	Elongated Sweet Peppers (Pointed)	PEPPERS (CAPSICUMS)	Cubanelle	4687
10006100	Elongated Sweet Peppers (Pointed)	PEPPERS (CAPSICUMS)	Elongated	3054
10006100	Elongated Sweet Peppers (Pointed)	PEPPERS (CAPSICUMS)	Elongated	3055
10006100	Elongated Sweet Peppers (Pointed)	PEPPERS (CAPSICUMS)	Elongated	3056
10006100	Elongated Sweet Peppers (Pointed)	PEPPERS (CAPSICUMS)	Elongated	3057

Brick	Brick Description	PLU Commodity	PLU Variety	PLU	Brick	Brick Description	PLU Commodity	PLU Variety	PLU
10006100	Elongated Sweet Peppers (Pointed)	PEPPERS (CAPSICUMS)	Elongated	3058	10006103	Hot Peppers	PEPPERS (CAPSICUMS))	Long Hot	4696
10006100	Elongated Sweet Peppers (Pointed)	PEPPERS (CAPSICUMS)	Hungarian Wax	4692	10006103	Hot Peppers	PEPPERS (CAPSICUMS)	Long Hot	4697
10006100	Elongated Sweet Peppers (Pointed)	PEPPERS (CAPSICUMS)	Pasilla	4701	10006190	Square Sweet Peppers (Blunt)	PEPPERS (CAPSICUMS)	Bell, Field Grown	4679
10006100	Elongated Sweet Peppers (Pointed)	PEPPERS (CAPSICUMS)	Pasilla	4702	10006190	Square Sweet Peppers (Blunt)	PEPPERS (CAPSICUMS)	Bell, Field Grown	4680
10006100	Elongated Sweet Peppers (Pointed)	PEPPERS (CAPSICUMS)	Pasilla Pod	4703	10006190	Square Sweet Peppers (Blunt)	PEPPERS (CAPSICUMS)	Bell, Field Grown	4681
10006100	Elongated Sweet Peppers (Pointed)	PEPPERS (CAPSICUMS)	Poblano	4705	10006190	Square Sweet Peppers (Blunt)	PEPPERS (CAPSICUMS)	Bell, Field Grown	4065
10006100	Elongated Sweet Peppers (Pointed)	PEPPERS (CAPSICUMS)	Red Pimiento/ Red Sweet Long	4708	10006190	Square Sweet Peppers (Blunt)	PEPPERS (CAPSICUMS)	Bell, Field Grown	4682
10006100	Elongated Sweet Peppers (Pointed)	PEPPERS (CAPSICUMS)	Serrano	4709	10006190	Square Sweet Peppers (Blunt)	PEPPERS (CAPSICUMS)	Bell, Field Grown	4683
10006192	Flat Sweet Peppers (Tomato Peppers)	PEPPERS (CAPSICUMS)	Red Cheese	4706	10006190	Square Sweet Peppers (Blunt)	PEPPERS (CAPSICUMS)	Bell, Field Grown	4088
10006103	Hot Peppers	PEPPERS (CAPSICUMS)	Habanero	3125	10006190	Square Sweet Peppers (Blunt)	PEPPERS (CAPSICUMS)	Bell, Field Grown	4684
10006103	Hot Peppers	PEPPERS (CAPSICUMS)	Hot (Hungarian Hot)	4690	10006190	Square Sweet Peppers (Blunt)	PEPPERS (CAPSICUMS)	Bell, Greenhouse	4688
10006103	Hot Peppers	PEPPERS (CAPSICUMS)	Hot Mixed	4691	10006190	Square Sweet Peppers (Blunt)	PEPPERS (CAPSICUMS)	Bell, Greenhouse	4689
10006103	Hot Peppers	PEPPERS (CAPSICUMS)	Jalapeno	4693	10006190	Square Sweet Peppers (Blunt)	PEPPERS (CAPSICUMS)	Bell, Greenhouse	3119
10006103	Hot Peppers	PEPPERS (CAPSICUMS)	Jalapeno	4694	10006190	Square Sweet Peppers (Blunt)	PEPPERS (CAPSICUMS)	Bell, Greenhouse	3120
10006103	Hot Peppers	PEPPERS (CAPSICUMS)	Japanese	4695	10006190	Square Sweet Peppers (Blunt)	PEPPERS (CAPSICUMS)	Bell, Greenhouse	3121

Brick	Brick Description	PLU Commodity	PLU Variety	PLU
10006190	Square Sweet Peppers (Blunt)	PEPPERS (CAPSICUMS)	Bell, Greenhouse	3122
10006190	Square Sweet Peppers (Blunt)	PEPPERS (CAPSICUMS)	Bell, Greenhouse	3123
10006190	Square Sweet Peppers (Blunt)	PEPPERS (CAPSICUMS)	Bell, Greenhouse	3124
10005948	American Persimmon	PERSIMMON	Regular (American Persimmon)	4427
10005946	Kaki/ Sharon Fruits	PERSIMMON	Japanese/Sharonfruit (Kaki)	4428
10005965	Cape Gooseberries	PHYSALIS/CAPE GOOSEBERRY/ GROUND CHERRY		3039
10000007	Nuts/Seeds – Unprepared/ Unprocessed (Perishable)	PINE NUTS (PIGNOLI)		4938
10005935	Pineapples	PINEAPPLE		4029
10005935	Pineapples	PINEAPPLE		4430
10005935	Pineapples	PINEAPPLE	(Dried Fruit)	4864
10005935	Pineapples	PINEAPPLE	Jet Fresh	4431
10005935	Pineapples	PINEAPPLE	Jet Fresh	4432
10005935	Pineapples	PINEAPPLE	Mini	3379
10005935	Pineapples	PINEAPPLE	Perola	3380
10005935	Pineapples	PINEAPPLE	Queen	3037
10000007	Nuts/Seeds – Unprepared/ Unprocessed (Perishable)	PISTACHIO	Natural	4939
10000007	Nuts/Seeds – Unprepared/ Unprocessed (Perishable)	PISTACHIO	Red	4940
10005958	Redfleshed Sweet Pitayas	PITAHAYA	Red (skin color)	3040
10005957	Whitefleshed Sweet Pitayas	PITAHAYA	Yellow (skin color)	3319
10005915	Plumcots	PLUMCOT (INTER-SPECIFIC PLUM)		3278

Brick	Brick Description	PLU Commodity	PLU Variety	PLU
10005915	Plumcots	PLUMCOT (INTER-SPECIFIC PLUM)	Black	3611
10005915	Plumcots	PLUMCOT (INTER-SPECIFIC PLUM)	Green	3610
10005915	Plumcots	PLUMCOT (INTER-SPECIFIC PLUM)	Red	3609
10005917	Plums	PLUMS	Black	4039
10005917	Plums	PLUMS	Black	4040
10005917	Plums	PLUMS	Green	4434
10005917	Plums	PLUMS	Green	4435
10005917	Plums	PLUMS	Italian Prune/Sugar	4436
10005917	Plums	PLUMS	Purple	4437
10005917	Plums	PLUMS	Purple	4438
10005917	Plums	PLUMS	Red	4041
10005917	Plums	PLUMS	Red	4042
10005917	Plums	PLUMS	Tree Ripened	4439
10005917	Plums	PLUMS	Tree Ripened	4440
10005917	Plums	PLUMS	Yellow	4441
10005917	Plums	PLUMS	Yellow	4442
10005970	Pomegranates	POMEGRANATE		4445
10005970	Pomegranates	POMEGRANATE		3127
10005970	Pomegranates	POMEGRANATE		3440
10006104	Potatoes	POTATO	Baking	3414
10006104	Potatoes	POTATO	Baking	3415
10006104	Potatoes	POTATO	Creamer	4723
10006104	Potatoes	POTATO	Creamer	4724
10006104	Potatoes	POTATO	Long	4726

Brick	Brick Description	PLU Commodity	PLU Variety	PLU
10006104	Potatoes	POTATO	Purple	3128
10006104	Potatoes	POTATO	Red	4073
10006104	Potatoes	POTATO	Russet	4725
10006104	Potatoes	POTATO	Russet	4072
10006104	Potatoes	POTATO	White	4083
10006104	Potatoes	POTATO	Yellow	4727
10000206	Fruit – Prepared/Processed (Shelf Stable)	PRUNES	Fresh	3274
10000206	Fruit – Prepared/Processed (Shelf Stable)	PRUNES	Pitted	4866
10000206	Fruit – Prepared/Processed (Shelf Stable)	PRUNES	Regular	4865
10006038	Pumpkins/Winter Squash	PUMPKIN	Decorative (Painted)	3131
10006038	Pumpkins/Winter Squash	PUMPKIN	Jumbo	3130
10006038	Pumpkins/Winter Squash	PUMPKIN	Mini	4734
10006038	Pumpkins/Winter Squash	PUMPKIN	Pie Pumpkin	3134
10006038	Pumpkins/Winter Squash	PUMPKIN	Regular	4735
10006038	Pumpkins/Winter Squash	PUMPKIN	White	3132
10006038	Pumpkins/Winter Squash	PUMPKIN	White	3133
10006173	Quinces	QUINCE		4447
10006094	Radicchio	RADICCHIO		4738
10006094	Radicchio	RADICCHIO	Castlefranco	3168
10006094	Radicchio	RADICCHIO	Treviso	3165
10006115	Black Radishes	RADISH	Black	4739
10006114	Radishes	RADISH	Bunched Red	4089
10006114	Radishes	RADISH	Bunched White	4740
10006114	Radishes	RADISH	Italian Red	4741

Brick	Brick Description	PLU Commodity	PLU Variety	PLU
10006114	Radishes	RADISH	Red	4742
10006114	Radishes	RADISH	White/Icicle	4743
10000206	Fruit – Prepared/Processed (Shelf Stable)	RAISINS	Black	4868
10000206	Fruit – Prepared/Processed (Shelf Stable)	RAISINS	Golden/Yellow	4869
10005966	Rambutan	RAMBUTAN		3041
10006134	Rhubarb	RHUBARB	Bunch	3416
10006134	Rhubarb	RHUBARB	Regular	4745
10006072	Rosemary	ROSEMARY		4903
10006118	Swedish Turnips (Rutabagas)	RUTABAGAS (SWEDE)	Regular	4747
10000048 or 10000049	Herbs/Spices (Perishable) or Herbs/Spices (Shelf Stable)	SAGE		4904
Mixed Veg- Use Prepared Vegetable Bricks		SALAD BAR		4470
10006090	Sorrel	SORREL		4905
10005942	Soursop	SOURSOP		3381
10006091	Spinach	SPINACH	Baby	3332
10006091	Spinach	SPINACH	New Zealand Spinach	3417
10006091	Spinach	SPINACH	Regular/Bunched	4090
10006015	Courgettes	SQUASH	(Sweet) Dumpling	4764
10006015	Courgettes	SQUASH	Acorn	4751
10006015	Courgettes	SQUASH	Acorn	4752
10006015	Courgettes	SQUASH	Acorn	3143

Brick	Brick Description	PLU Commodity	PLU Variety	PLU
10006015	Courgettes	SQUASH	Acorn/Table Queen	4750
10006015	Courgettes	SQUASH	Baby Green Zucchini/Courgette	4756
10006015	Courgettes	SQUASH	Delicata/Sweet Potato	4763
10006015	Courgettes	SQUASH	Gem	4765
10006015	Courgettes	SQUASH	Sunburst (Yellow)	4777
10006015	Courgettes	SQUASH	Yellow	4782
10006015	Courgettes	SQUASH	Yellow	4784
10006015	Courgettes	SQUASH	Yellow Zucchini/Gold Bar/Yellow Courgette	4086
10006015	Courgettes	SQUASH	Zucchini/Courgette	3418
10006015	Courgettes	SQUASH	Zucchini/Courgette	4067
10006015	Courgettes	SQUASH	Carnival	3142
	Courgettes	SQUASH	Spaghetti/Vegetable Spaghetti	4776
10006015	Courgettes	SQUASH	Baby Scallopini	4754
	Courgettes	SQUASH	Baby Summer (Green)	4755
10006015	Courgettes	SQUASH	White	4781
10006015	Pumpkins/Winter Squash	SQUASH	Banana	4757
10006015	Pumpkins/Winter Squash	SQUASH	Buttercup	4758
10006015	Courgettes	SQUASH	Golden Nugget	4767
10006015	Courgettes	SQUASH	Patty Pan/Summer	4773
10006015	Courgettes	SQUASH	Scallopini	4775
10006015	Courgettes	SQUASH	Vegetable Marrow	3060
10006015	Courgettes	SQUASH	Cucuzza	3140
10006038	Pumpkins/Winter Squash	SQUASH	Australian Blue	4753
	Pumpkins/Winter Squash	SQUASH	Hubbard	4768
10006038	Pumpkins/Winter Squash	SQUASH	Kabocha	4769
10006038	Pumpkins/Winter Squash	SQUASH	Red Kuri	4774

Brick	Brick Description	PLU Commodity	PLU Variety	PLU
10006038	Pumpkins/Winter Squash	SQUASH	Turban	4780
10006038	Pumpkins/Winter Squash	SQUASH	Golden Delicious	4766
10006038	Pumpkins/Winter Squash	SQUASH	Crown Prince	3059
10006038	Pumpkins/Winter Squash	SQUASH	Sweet Mama	4779
10005940	Sugar Apples	SUGAR APPLE		3382
10006125	Jerusalem Artichokes	SUNCHOKES (JERUSALEM ARTICHOKES)		4791
10000007	Nuts/Seeds – Unprepared/ Unprocessed (Perishable)	SUNFLOWER SEEDS		4942
Either 10006112 or 10006111	Either Yams or Sweet Potatoes	SWEET POTATO/ YAM/KUMARA	Golden	4816
Either 10006112 or 10006111	Either Yams or Sweet Potatoes	SWEET POTATO/ YAM/KUMARA	Red/Orangy Red Flesh	4074
Either 10006112 or 10006111	Either Yams or Sweet Potatoes	SWEET POTATO/ YAM/KUMARA	Red/Orangy Red Flesh	4817
Either 10006112 or 10006111	Either Yams or Sweet Potatoes	SWEET POTATO/ YAM/KUMARA	Red/Orangy White Flesh	3333
Either 10006112 or 10006111	Either Yams or Sweet Potatoes	SWEET POTATO/ YAM/KUMARA	Red/Orangy White Flesh	3334

Brick	Brick Description	PLU Commodity	PLU Variety	PLU
Either 10006112 or 10006111	Either Yams or Sweet Potatoes	SWEET POTATO/ YAM/KUMARA	White	4091
10005880	Tangelos	TANGELO		4456
10005880	Tangelos	TANGELO	Jamaican	4459
10005880	Tangelos	TANGELO	Minneola	4383
10005886	Clementines	TANGERINES/ MANDARINS	Clementine	3383
10005886	Clementines	TANGERINES/ MANDARINS	Clementine	3384
10005886	Clementines	TANGERINES/ MANDARINS	Clementine	3385
10005886	Clementines	TANGERINES/ MANDARINS	Clementine	3386
10005886	Clementines	TANGERINES/ MANDARINS	Clementine	3387
10005886	Clementines	TANGERINES/ MANDARINS	Clementine (includes Fortune)	4450
10005888	Tangerines/Other Mandarins	TANGERINES/ MANDARINS		4055
10005888	Tangerines/Other Mandarins	TANGERINES/ MANDARINS	Dancy	4451
10005888	Tangerines/Other Mandarins	TANGERINES/ MANDARINS	Ellendale	3032
10005888	Tangerines/Other Mandarins	TANGERINES/ MANDARINS	Ellendale	3425
10005888	Tangerines/Other Mandarins	TANGERINES/ MANDARINS	Ellendale	3426

Brick	Brick Description	PLU Commodity	PLU Variety	PLU
10005888	Tangerines/Other Mandarins	TANGERINES/ MANDARINS	Ellendale	3427
10005888	Tangerines/Other Mandarins	TANGERINES/ MANDARINS	Fairchild	4452
10005888	Tangerines/Other Mandarins	TANGERINES/ MANDARINS	Fall Glo	3144
10005888	Tangerines/Other Mandarins	TANGERINES/ MANDARINS	Honey/Murcott	3428
10005888	Tangerines/Other Mandarins	TANGERINES/ MANDARINS	Honey/Murcott	3429
10005888	Tangerines/Other Mandarins	TANGERINES/ MANDARINS	Honey/Murcott	3430
10005888	Tangerines/Other Mandarins	TANGERINES/ MANDARINS	Honey/Murcott	4453
10005888	Tangerines/Other Mandarins	TANGERINES/ MANDARINS	Imperial	3431
10005888	Tangerines/Other Mandarins	TANGERINES/ MANDARINS	Imperial	3432
10005888	Tangerines/Other Mandarins	TANGERINES/ MANDARINS	Imperial	3433
10005888	Tangerines/Other Mandarins	TANGERINES/ MANDARINS	Jamaican Tangor (includes synonyms Ortanique, Mandor, Mandora, Tambor, Topaz, Ortaline)	3031
10005888	Tangerines/Other Mandarins	TANGERINES/ MANDARINS	Kinnow	4454
10005888	Tangerines/Other Mandarins	TANGERINES/ MANDARINS	Mandarin/Royal	4455
10005888	Tangerines/Other Mandarins	TANGERINES/ MANDARINS	Nova (includes Clemenvilla and Suntina)	3030

Brick	Brick Description	PLU Commodity	PLU Variety	PLU
10005888	Tangerines/Other Mandarins	TANGERINES/MANDARINS	Satsuma	3388
10005888	Tangerines/Other Mandarins	TANGERINES/MANDARINS	Satsuma	3389
10005888	Tangerines/Other Mandarins	TANGERINES/MANDARINS	Satsuma	3029
10005888	Tangerines/Other Mandarins	TANGERINES/MANDARINS	Sunburst	4449
10006107	Taro	TARO ROOT (DASHEEN)		4794
10006107	Taro	TARO ROOT (DASHEEN)		4795
10006051	Tarragon	TARRAGON		4906
10006075	Common Thyme	THYME		4907
10006165	Tomatoes - Round	TOMATOES	Beef/Beefsteak	3061
10006161 or 10006162	Cherry Tomatoes - Oblong or Cherry Tomatoes - Round	TOMATOES	Cherry	4796
10006161 or 10006162	Cherry Tomatoes - Oblong or Cherry Tomatoes - Round	TOMATOES	Cherry	3146
10006161 or 10006162	Cherry Tomatoes - Oblong or Cherry Tomatoes - Round	TOMATOES	Cherry	4797
10006161 or 10006162	Cherry Tomatoes - Oblong or Cherry Tomatoes - Round	TOMATOES	Cherry	3147
10006165	Tomatoes - Round	TOMATOES	Cocktail/Intermediate	3335
10006165	Tomatoes - Round	TOMATOES	Cocktail/Intermediate	3336
10006165	Tomatoes - Round	TOMATOES	Cocktail/Intermediate	3150

Brick	Brick Description	PLU Commodity	PLU Variety	PLU
10006161 or 10006162 or 10006163 or 10006164 or 10006165	Cherry Tomatoes - Oblong or Cherry Tomatoes - Round or Tomatoes - Oblong or Tomatoes - Ribbed or Tomatoes - Round	TOMATOES	Greenhouse/Hydroponic/Regular	4798
10006161 or 10006162 or 10006163 or 10006164 or 10006165	Cherry Tomatoes - Oblong or Cherry Tomatoes - Round or Tomatoes - Oblong or Tomatoes - Ribbed or Tomatoes - Round	TOMATOES	Greenhouse/Hydroponic/Regular	4799
10006161 or 10006162 or 10006163 or 10006164 or 10006165	Cherry Tomatoes - Oblong or Cherry Tomatoes - Round or Tomatoes - Oblong or Tomatoes - Ribbed or Tomatoes - Round	TOMATOES	Heirloom	3423

Brick	Brick Description	PLU Commodity	PLU Variety	PLU
10006161 or 10006162 or 10006163 or 10006164 or 10006165	Cherry Tomatoes - Oblong or Cherry Tomatoes - Round or Tomatoes - Oblong or Tomatoes - Ribbed or Tomatoes - Round	TOMATOES	Native/Home Grown	4800
10006163	Tomatoes - Oblong	TOMATOES	Plum/Italian/Saladette/Roma	4087
10006163	Tomatoes - Oblong	TOMATOES	Plum/Italian/Saladette/Roma	3145
10006163	Tomatoes - Oblong	TOMATOES	Plum/Italian/Saladette/Roma on the vine	3282
10006165	Tomatoes - Round	TOMATOES	Regular	4063
10006165	Tomatoes - Round	TOMATOES	Regular	4064
10006165	Tomatoes - Round	TOMATOES	Regular	3149
10006165	Tomatoes - Round	TOMATOES	Regular	4664
10006165	Tomatoes - Round	TOMATOES	Regular	4778
10006165	Tomatoes - Round	TOMATOES	Regular	3148
10006163	Tomatoes - Oblong	TOMATOES	Teardrop/Pear	4803
10006163	Tomatoes - Oblong	TOMATOES	Teardrop/Pear	4804
10006165	Tomatoes - Round	TOMATOES	Tomatillos/Husk Tomatoes	4801
10006163 or 10006165	Tomatoes - Oblong or Tomatoes - Round	TOMATOES	Vine Ripe, Regular	4805
10006163 or 10006165	Tomatoes - Oblong or Tomatoes - Round	TOMATOES	Vine Ripe, Regular	3151
10006120	Turnips	TURNIP	Baby	4809

Brick	Brick Description	PLU Commodity	PLU Variety	PLU
10006120	Turnips	TURNIP	Bunch/Banded	4810
10006120	Turnips	TURNIP	Purple Top	4811
10006120	Turnips	TURNIP	White	4812
10006120	Turnips	TURNIP	Yellow	4095
10006144	Kale	TUSCAN CABBAGE		3166
10000007	Nuts/Seeds – Unprepared/ Unprocessed (Perishable)	WALNUTS	Black	4944
10000007	Nuts/Seeds – Unprepared/ Unprocessed (Perishable)	WALNUTS	Regular	4943
10000007	Nuts/Seeds – Unprepared/ Unprocessed (Perishable)	WALNUTS	White	4945
10006048	Watercress	WATERCRESS		4815
10000006	Vegetables – Unprepared/ Unprocessed (Shelf Stable)	YU CHOY		3164
10006108	Cassava	YUCA ROOT/CAS-SAVA/MANIOC		4819

Attribute: varietyType

Data Type	Produce Industry Attribute Name	Produce Industry Definition	Example for attribute value entry	Initial Setup for EDI transactions (all dependent upon Item Maintenance (888) being required)	Transactional Fields for EDI (all dependent upon Item Maintenance (888) being required)	Necessary to be PTI Compliant
Multidescription (Allows for a language qualifier) (1 to 35 characters) Free Text	varietyType	Free text field used to identify the variant of the product. Variants are the distinguishing characteristics that differentiate products with the same brand and size including such things as the particular flavor, fragrance, taste.	Grapefruit Ruby/ Red/Pink	Y	N (based on trade item agreement)	Y

Guidance to consider:

The industry would like to make this attribute a more functioning value as opposed to a free form text field. In doing so, the guidance is to populate the functionalName with the brick description and the varietyType with the PLU Code set of information (i.e., commodity name, variety name and size). This field will have more than one value; e.g., Apple Red Delicious 2 ½ (simply spaces in between the names, no commas). The current listing of PLU Codes can be found at http://www.plucodes.com. If populated, functionalName is also required to be populated.

Attribute: descriptiveSize

Data Type	Produce Industry Attribute Name	Produce Industry Definition	Example for attribute value entry	Initial Setup for EDI transactions (all dependent upon Item Maintenance (888) being required)	Transactional Fields for EDI (all dependent upon Item Maintenance (888) being required)	Necessary to be PTI Compliant
Text (1 to 35 characters)	descriptiveSize	An alphanumeric size factor the brand owner wishes to communicate to the consumer. For example, Jumbo, Medium, Size B, 88 count, etc. This is a free text field with a limit of 35 characters.	1 LB Ssize B Red Potato	Y	N	Y

Guidance to consider:

This is a free text field. Standard produce values for UoM and size group can be found below.

Size of Unit Measure listing:

IN	Inches
CM	Centimetre
1N	Count
DZ	Dozen
GR	Gram
KG	Kilogram
LT	Litre
ML	Millilitre
OZ	Ounces
PT	Pint
LB	Pounds
QT	Quart
UN	Unit

Size Group List

A	Extra Jumbo	Regular	Standard
AA	Extra Large	Round	Stick
AAA	Fancy	Row	Super
And larger	Giant	Select	Super Colossal
And smaller	Head	Senior	Super Jumbo
And up	Jumbo	Shred	Undersize
B	Junior	Shuck	Various
Baby	Large	Size B	Whole
C	Long	Size C	
Choice	Loose	Slice	
Chop	Mammoth	Slice Dice Shred Stick	
Cin & Core	Medium	Slice Dice Skin Shred	
Cin & Trim	Mini	Slice Dice Sliver	
Colossal	Minimum	Slice Dice Wholepeel	
Diameter	Mix	Small	
Dice	Non A	Small Fancy	
Extra	Other		
Extra Fancy	Peel		

Attribute: *packagingTypeCode*

Data Type	Produce Industry Attribute Name	Produce Industry Definition	Example for attribute value entry	Initial Setup for EDI transactions (all dependent upon Item Maintenance (888) being required)	Transactional Fields for EDI (all dependent upon Item Maintenance (888) being required)	Necessary to be PTI Compliant
Code List	packagingTypeCode	The code identifying the type of package used as a container of the trade item. A further description of the trade item package. There is no hierarchy being built because it is a flat one line record headed by the case GTIN.	clamshell	Y	N	Y

Guidance to consider:

This is a means to say that the consumer unit is a salad bag. For RPCs, need to use the value KTB. The pack type would be on the GTIN at the 'each' level and case type would be on the GTIN at the case level.

This attribute has specific code values to be used in data entry. See below.

packagingTypeCode list:

Value	Description	Definition
AAA	Pallet, Returnable	Pallet, Returnable
BAG	Bag	Bag: A preformed, flexible container, generally enclosed on all but one side, which forms an opening that may or may not be sealed after filling.
BAL	Bale	Bale
BIN	Bin	Bin
BLK	Bulk	Bulk
BOX	Box	Box: A non-specific term used to refer to a rigid, three-dimensional container with closed faces that completely enclose its contents and may be made out of any material. Even though some boxes might be reused or become resealed they could also be disposable depending on the product hierarchy.
BSK	Basket or hamper	Basket or hamper: A semi rigid container usually open at the top traditionally used for gathering, shipping and marketing agricultural products.
BXI	Box, with inner container	Box, with inner container (e.g., tri-wall)

Value	Description	Definition
CAS	Case	Case: A non-specific term for a container designed to hold, house, and sheath or encase its content while protecting it during distribution, storage and/or exhibition. Cases are mostly intended to store and preserve its contents during the product's entire lifetime.
CMS	Clamshell	Clamshell
CNF	Container, Multi-walled, Secured to Warehouse Pallet	Container, Multi-walled, Secured to Warehouse Pallet; e.g., watermelon bin
CNT	Container	Container
CRF	Corner Reinforcement	Corner Reinforcement: Usually in boxes or crates, additional material or components attached to adjacent panels to add support or prevent crushing or separation
CRT	Crate	Crate: A non-specific term usually referring to a rigid three-dimensional container with semi-closed faces that enclose its contents for shipment or storage. Crates could have an open or closed top and may have internal divers. Even though some crates might be reused or become resealed they could also be disposable depending on the product hierarchy.
CTN	Carton	Carton: A non-specific term for a re-closable container used mostly for perishable foods (e.g., eggs, fruit).
CU	Cup	Cup: A small bowl shaped container for beverages, often with a handle.
GNT	Net	Net: A container of meshwork material made from threads or strips twisted or woven to form a regular pattern with spaces between the threads that is used for holding, carrying, trapping, or confining something.
GPB	Pallet Box	Pallet Box: A three-dimensional container which either has a pallet platform permanently attached at its base or alternatively requires a platform for its handling and storage as due to its constitution it cannot be handled without it. The characteristics of the platform should be specified using the pallet type code list.
GPU	Packed, Unspecified	Packed, Unspecified: Packaging of the product (or products) is currently not on the list. Use this code when no suitable options are available and only while a Change Request is approved for the proper packaging type.
JAR	Jar	Jar: A rigid container made of glass, stone, earthenware, plastic or other appropriate material with a large opening, which is used to store products, (e.g., jams, cosmetics).
KTB	Knockdown Tote Bin	Knockdown Tote Bin (RPC)
LSE	Loose	Loose
LUG	Lug	Lug
MPE	Multipack	Multipack
PCS	Pieces	Pieces

Value	Description	Definition
PWT	Plastic-Wrapped Tray	Plastic-Wrapped Tray
SAK	Sack	Sack
SCS	Suitcase	Suitcase
SLV	Sleeve	Sleeve: A non-rigid container usually made of paper, cardboard or plastic, that is open-ended and is slid over the contents for protection or presentation.
SRW	Shrink Wrap	Shrink Wrap: In packaging, a plastic film around an item or group of items which is heated causing the film to shrink, securing the unit integrity. The use of shrunken film to tightly wrap a package or a unit load in order to bind, protect and immobilize it for further handling or shipping.
TBN	Tote Bin	Tote Bin
TRY	Tray	Tray: A shallow container, which may or may not have a cover, used for displaying or carrying items; e.g., flat.
TUB	Tub	Tub: Generally, a round flat-bottomed container closed with a large lid, typically used to contain ice cream, margarine, sour cream, confections, and other products.
UNP	Unpacked	Unpacked: The item is provided without packaging.
UVQ	Wrapped in Plastic	Wrapped in Plastic
WRP	Wrapped	Wrapped: The process of enclosing all or part of an item with layers of flexible wrapping material (e.g., for an individually packed ice cream). Does not include items which are shrink-wrapped or vacuum-packed.

Attribute: gradeCode

Data Type	Produce Industry Attribute Name	Produce Industry Definition	Example for attribute value entry	Initial Setup for EDI transactions (all dependent upon Item Maintenance (888) being required)	Transactional Fields for EDI (all dependent upon Item Maintenance (888) being required)	Necessary to be PTI Compliant
Text (1 to 35 characters)	gradeCode	A code indicating the degree of refinement, features and capabilities for a trade item. An accepted level or standard to determine the quality of fresh produce. Quality grades provide a common language among buyers and sellers, which in turn assures consistent quality for consumers.	Washington Extra Fancy	Y	N	Y

Guidance to consider:

This is a free text field. Refer to the standard produce industry values below. This field is mandatory if the class is invoked.

gradeCode list:

California Extra Fancy	Canada No. 2 Picklers	US Extra Fancy Table	US No. 1 Husked	US No. 2 Spanish
California Fancy	Canada Orchard Run	US Extra Large Virginia	US No. 1 Institutional	US No. 2 Virginia
Canada Commercial	Choice	US Extra No. 1	US No. 1 Large	US No. 3
Canada Domestic	Class 1	US Extra No. 1 Jumbo	US No. 1 Mixed	US Runner Splits
Canada Hailed	Combination	US Fancy	US No. 1 Pieces	US Select
Canada No. 1	Extra Fancy	US Fancy Hand Picked	US No. 1 Runner	US Select Sheller Run
Canada No. 1 Chef	Fancy	US Fancy Husked	US No. 1 Small	US Spanish Splits
Canada No. 1 Extra Large	Premium	US Fancy Table	US No. 1 Spanish	US Standard Sheller Run
Canada No. 1 Heart	Standard	US Good Delivery Standards	US No. 1 Table	US Super Fancy
Canada No. 1 Large	Unclassified	US Jumbo Hand Picked	US No. 1 Virginia	US Virginia Splits
Canada No. 1 Picklers	US Combination	US Medium Virginia	US No. 1 Whole and Broken	Utility
Canada No. 1 Pickling	US Commercial	US No Grade Contract	US No. 2	Washington Extra Fancy
Canada No. 1 Slender	US Export No. 1	US No. 1	US No. 2 Mixed	Washington Extra Fancy Premium
Canada No. 2	US Extra Fancy	US No. 1 Golden	US No. 2 Runner	Washington Fancy

Attribute: gradeCodeAgency

Data Type	Produce Industry Attribute Name	Produce Industry Definition	Example for attribute value entry	Initial Setup for EDI transactions (all dependent upon Item Maintenance (888) being required)	Transactional Fields for EDI (all dependent upon Item Maintenance (888) being required)	Necessary to be PTI Compliant
Text (1 to 70 characters)	gradeCodeAgency	An agency that manages a grade code list; for example USDA	USDA	Y	N	N

Guidance to consider:

This field is optional and a free text field.

Refer to standard produce industry grade code agency values below.

gradeCodeAgency list:

USDA - US Department of Agriculture
CFIA - Canadian Food Inspection Agency
Codex

Attribute: growingMethodCode

Data Type	Produce Industry Attribute Name	Produce Industry Definition	Example for attribute value entry	Initial Setup for EDI transactions (all dependent upon Item Maintenance (888) being required)	Transactional Fields for EDI (all dependent upon Item Maintenance (888) being required)	Necessary to be PTI Compliant
Code List	growingMethodCode	The process through which fresh produce is grown and cultivated.	Conventional	Y	N	Y

Guidance to consider:

If multiple growing methods are used, they would be entered as repeat fields for XML, not comma delimited fields. If populated, requires the population of ingredientSequence and ingredientName.

This attribute has specific code values to be used in data entry. See below.

growingMethodCode list:

Value	Definition
CONVENTIONAL	Foods grown non-organically, either indoors or outdoors without any special processes.
FIELD_GROWN	Plants grown outdoors
FLY_FREE	Citrus grown in an area certified to be free of all Caribbean Fruit Flies based on trappings
GREENHOUSE	Plants that are grown and cultivated in an indoor covered place.
HYDROPONIC	Plants grown using mineral nutrient solutions instead of soil.
INTEGRATED_PEST_MANAGEMENT	(IPM) Plants grown using a pest control strategy that uses an array of complimentary methods: mechanical devices, physical devices, genetic, biological, legal, cultural management and chemical management. These methods are done in three stages: prevention, observation, and intervention. It is an ecological approach with a main goal of significantly reducing or eliminating the use of pesticides.
CLONED_FOODS	The product was created through the process of making a genetically identical copy of another instance of this product. To clone an organism, a DNA sequence, such as a gene, is transferred from one organism to another thereby the offspring is an identical copy of the original.
SUSTAINABLE	A method of growing a food using processes that are non-polluting and conserve energy and natural resources. This claim should be used in accordance with any regulation of the target market.
SHADE_GROWN	Produce which has been grown under shade or grown under cloth.
ORGANIC	Produce which has been grown organically.

Attribute: tradeItemDescription

Data Type	Produce Industry Attribute Name	Produce Industry Definition	Example for attribute value entry	Initial Setup for EDI transactions (all dependent upon Item Maintenance (888) being required)	Transactional Fields for EDI (all dependent upon Item Maintenance (888) being required)	Necessary to be PTI Compliant
Multidescription (Allows for a language qualifier) (1 to 178 characters) Free Text	tradeItemDescription	A description of the product. This field has a language qualifier, 1-178.	Ruby Red Grapefruit Florida U.S. #1	Y	N (based on trade item agreement)	Y

Guidance to consider:

This field is to be used by the supplier to describe the product. It has a 178 character limit. This is not mandatory if using short description and additionalTradeItemDescription. Industry trend is that retailers use short description and trade item description for reference only, not as direct input. It is suggested to use this field or additionalTradeItemDescription field for treatment values (e.g., ethylene treated, waxed, residue free). Could also use this field for commodity/variety and/or pack style (e.g., pyramid box). If populated, must populate functionalName.

Attribute: additionalTradeItemIdentificationType

Data Type	Produce Industry Attribute Name	Produce Industry Definition	Example for attribute value entry	Initial Setup for EDI transactions (all dependent upon Item Maintenance (888) being required)	Transactional Fields for EDI (all dependent upon Item Maintenance (888) being required)	Necessary to be PTI Compliant
Code List	additionalTradeItemIdentificationType	Type of the identification system that is being used as an alternative to the Global Trade Item Number. This is the source of the additional item identification (SKU, Product ID, etc.) If the identification is the supplier's internal product identification number, select SUPPLIER_ASSIGNED. If it is the distributor's internal product identification number, select DISTRIBUTOR_ASSIGNED. This field can be repeated as necessary in conjunction with the additionalTradeItemIdentificationValue.	PLU	Y	N	N

Guidance to consider:

The code type, e.g., PLU, would be entered here and the corresponding 4 or 5 digit code would be entered in the additionalTradeItemIdentificationValue field. If populated, requires the population of additionalTradeItemIdentificationValue.

This attribute has specific code values to be used in data entry. See below.

additionalTradeItemIdentificationType list:

Value	Definition
BUYER_ASSIGNED	Buyer Defined
DISTRIBUTOR_ASSIGNED	The additional Trade Item Identification value populated has been developed and assigned by an entity which purchases and takes title to goods which are then resold / redistributed elsewhere.
PLU	A number used to indicate a price look up for an existing random weight item. This is only used for items that have been assigned an industry PLU or proprietary PLU and that are utilized through a weighing system through the scales at the back or the front end (at point-of-sale).
SUPPLIER_ASSIGNED	The additional Trade Item Identification value populated has been developed and assigned by the party which provides service(s) and/or manufactures or otherwise has possession the goods and consigns or makes them available in trade.

Attribute: additionalTradeItemIdentificationValue

Data Type	Produce Industry Attribute Name	Produce Industry Definition	Example for attribute value entry	Initial Setup for EDI transactions (all dependent upon Item Maintenance (888) being required)	Transactional Fields for EDI (all dependent upon Item Maintenance (888) being required)	Necessary to be PTI Compliant
Free Text (1 to 80 Characters)	additionalTradeItemIdentificationValue	Alternative means to the Global Trade Item Number to identify a trade item. This field can be repeated as necessary in conjunction with the additionalTradeItemIdentification-Type.	4032	Y	N	N

Guidance to consider:

Whatever trade item identification type is used, the corresponding number would be entered in this field.

If populated, requires the population of additionalTradeItemIdentificationType.

Attribute: additionalTradeItemDescription

Data Type	Produce Industry Attribute Name	Produce Industry Definition	Example for attribute value entry	Initial Setup for EDI transactions (all dependent upon Item Maintenance (888) being required)	Transactional Fields for EDI (all dependent upon Item Maintenance (888) being required)	Necessary to be PTI Compliant
Multidescription (Allows for a language qualifier) (1 to 350 characters) Free Text	additionalTradeItemDescription	Additional variants necessary to communicate to the industry to help define the product. Multiple variants can be established for each GTIN. This is a repeatable field, e.g., Style, Color, and Fragrance. The schema uses common library component as shown in the GDD (Global Data Dictionary) Max Size field. For the business requirements for item, please use the specific definition of this data type and field, 1-350.	Joe's Farm Red Seedless Watermelon 45 count 24" bin US #1	Y	N (based on trade item agreement)	N

Guidance to consider:

Free form text field with 350 character limit. This field gives the trading partner another space where they can give an unadulterated description. Consider that retailers may use this field as well as short description. This field is optional if use descriptionShort and tradeItemDescription. Could use this field for product treatment (e.g., ethylene treated, waxed, residue free). Could also use this field for commodity/variety and/or pack style.

If populated, requires the population of functionalName.

Attribute: maturityMethodAtTimeOfSale

Data Type	Produce Industry Attribute Name	Produce Industry Definition	Example for attribute value entry	Initial Setup for EDI transactions (all dependent upon Item Maintenance (888) being required)	Transactional Fields for EDI (all dependent upon Item Maintenance (888) being required)	Necessary to be PTI Compliant
Code List	maturityMethodAtTimeOfSale	Method of maturity of item.	Tree/Vine Ripe	Y	N	N

Guidance to consider:

This attribute has specific code values to be used in data entry. See below.

maturityMethodAtTimeOfSale list:

Maturity
Pre-conditioned
Tree/Vine Ripe
Jet Fresh

Attribute: organicTradeItemCode

Data Type	Produce Industry Attribute Name	Produce Industry Definition	Example for attribute value entry	Initial Setup for EDI transactions (all dependent upon Item Maintenance (888) being required)	Transactional Fields for EDI (all dependent upon Item Maintenance (888) being required)	Necessary to be PTI Compliant
Code List	organicTradeItemCode	Used to indicate the organic status of a trade item or of one or more of its components.	1	Y	N	N

Guidance to consider:

If growingMethodCode is "ORGANIC", then organicClaimAgency and organicTradeItemCode must be populated. This is a free text field. Refer to the guidance under the attribute, growingMethodCode.

Mandatory - If class is invoked, the class can be repeated.

Refer to standard produce industry values here.

organicTradeItemCode list:

Value	Description
1	100% Organic
2	Organic (at least 95% by weight)
3	Made with organic ingredients (at least 70% by weight)
4	Some organic ingredients (less than 70% by weight)
5	Not Organic
6	In conversion (products presently in conversion to the organic standard)
7	Bio Dynamic (a cousin to the organic system)
8	Disqualified (GTINs that violate organic principles, with attributes such as isTradeItemGeneticallyModified or isTradeItemIrradiated being true.)

Attribute: organicClaimAgency

Data Type	Produce Industry Attribute Name	Produce Industry Definition	Example for attribute value entry	Initial Setup for EDI transactions (all dependent upon Item Maintenance (888) being required)	Transactional Fields for EDI (all dependent upon Item Maintenance (888) being required)	Necessary to be PTI Compliant
Code List	organicClaimAgency	A governing body that creates and maintains standards related to organic products.	6	Y	N	N

Guidance to consider:

If growingMethodCode is "ORGANIC", then organicClaimAgency and organicTradeItemCode must be populated. Organic claim agencies have been identified and standard values used are listed here. This is a free text field.

Mandatory - If class is invoked, the class can be repeated.

This attribute has standard produce industry code values to be used in data entry. See below. The CFIA and USDA are hyperlinks to their individual websites.

organicClaimAgency list:

Value	Description
1	EPA - US Environmental Protection Agency
2	FSA - UK Food Standards Agency
3	FDA - US Food and Drug Agency
4	International Foundation for Organic Agriculture
5	BFA - Biological Farmers of Australia
6	CFIA - Canadian Food Inspection Agency
7	USDA - United States Department of Agriculture

Attribute: brandName

Data Type	Produce Industry Attribute Name	Produce Industry Definition	Example for attribute value entry	Initial Setup for EDI transactions (all dependent upon Item Maintenance (888) being required)	Transactional Fields for EDI (all dependent upon Item Maintenance (888) being required)	Necessary to be PTI Compliant
Text (1 to 35 characters) Free Tex	brandName	The recognizable name used by a brand owner to uniquely identify a line of trade item or services. This is recognizable by the consumer or by the trade (buyer)	Andy Boy	Y	N (depends on trading partner agreement)	Y

Guidance to consider:

The Brand Name and the Brand Owner's Name can be different; e.g., Andy Boy and D'Arrigo Brothers of NY

Attribute: nameOfBrandOwner

Data Type	Produce Industry Attribute Name	Produce Industry Definition	Example for attribute value entry	Initial Setup for EDI transactions (all dependent upon Item Maintenance (888) being required)	Transactional Fields for EDI (all dependent upon Item Maintenance (888) being required)	Necessary to be PTI Compliant
Text (1 to 35 characters) Free Text	nameOfBrandOwner	This is the name of the company that owns the brand. For example, D'Arrigo Bros. owns Andy Boy brand so the value entered for Brand Owner is D'Arrigo Bros. where Andy Boy is the brand name.	D'Arrigo Bros.	Y	N	N

Guidance to consider:

Free text field of up to 35 characters; human readable. If populated, it is mandatory that brandOwner(GLN) or additionalBrandOwnerIdentificationValue are populated.

Please refer to the nameOfBrandOwner example below to show how this field would be populated, not the actual values.

nameOfBrandOwner examples:

For Example: Company A is a citrus packer who packs navel oranges. In this example, Company A would be populated as the manufacturer, and navel oranges would be used for the Case, Inner Pack and/or Each GTIN level. Company A is Information Provider, Brand Owner, and Packer.

This is an example of a navel packer packing under its own label.

Package Description	GTIN	Product Description- Short	Information Provider GLN	Information Provider	Brand Owner GLN	Brand Owner	Manufacturer / PackerGLN	Manufacturer/Packer
Case	31234567891102	8 x 5lb bags navel orange	123456000018	Company A	123456000018	Company A	123456000018	Company A
Inner Pack	21234567891105	5 lb navel orange	123456000018	Company A	123456000018	Company A	123456000018	Company A
Each (Retail Selling Unit)	1234567891101	navel orange (PLU code and size)	123456000018	Company A	123456000018	Company A	123456000018	Company A

For its navel oranges, produce retailer contracts with citrus packing company to physically pack their private label citrus products using the retailer GTINS. The product specifications are controlled by the produce retailer even though the citrus packer packs the product. Produce retailer is listed on the package as the brand owner. In this example, produce retailer would be populated as the packer/manufacturer. Produce retailer requires packer to use produce retailer GTIN. Information Provider and Brand Owner is produce retailer and Packer is citrus packing company.

This is an example of a private label with a retailer GTIN.

Package Description	GTIN	Product Description- Short	Information Provider GLN	Information Provider	Brand Owner GLN	Brand Owner	Manufacturer / PackerGLN	Manufacturer/Packer
Case	31234567891102	8 x 5lb bags navel orange	123456000018	Produce Retailer	123456000018	Produce Retailer	123456000018	Produce Retailer
Inner Pack	21234567891105	5 lb navel orange	123456000018	Produce Retailer	123456000018	Produce Retailer	123456000018	Produce Retailer
Each (Retail Selling Unit)	1234567891101	navel orange (PLU code and size)	123456000018	Produce Retailer	123456000018	Produce Retailer	123456000018	Produce Retailer

For its navel oranges, produce retailer contracts with citrus packer to pack the product under the produce retailer brand name. The product specifications and physical packing process are controlled by citrus packer. Citrus packer is listed on the packaging as the manufacturer/packer. In this example, citrus packer would be populated as the manufacturer. Produce retailer required packer to use packers GTIN. Information Provider is produce retailer, Brand Owner is produce retailer and Manufacturer/Packer is citrus packer.

This is an example of a private label with a packer GTIN.

Package Description	GTIN	Product Description- Short	Information Provider GLN	Information Provider	Brand Owner GLN	Brand Owner	Manufacturer / PackerGLN	Manufacturer/Packer
Case	20123459874436	8 x 5lb bags navel orange	123456000018	Produce Retailer	123456000018	Produce Retailer	222222000013	Citrus Packer
Inner Pack	10123459874439	5 lb navel orange	123456000018	Produce Retailer	123456000018	Produce Retailer	222222000013	Citrus Packer
Each (Retail Selling Unit)	123459874432	navel orange (PLU code and size)	123456000018	Produce Retailer	123456000018	Produce Retailer	222222000013	Citrus Packer

For its navel oranges, wholesaler purchases oranges from citrus packer. Wholesaler acts as a distributor of citrus packer's oranges. The packaging states that citrus packer is the brand owner. In this example, citrus packer would be populated as the manufacturer/packer, with citrus packer's GLN. Information provider is wholesaler, Brand owner and Manufacture/Packer is citrus packer.

This is an example of a wholesaler/distributor.

Package Description	GTIN	Product Description- Short	Information Provider GLN	Information Provider	Brand Owner GLN	Brand Owner	Manufacturer / PackerGLN	Manufacturer/Packer
Case	10111111	8 x 5lb bags navel orange	123456000018	Wholesaler	111111000015	Citrus Packer	111111000015	Citrus Packer
Inner Pack	10123459874552	5 lb navel orange	123456000018	Wholesaler	111111000015	Citrus Packer	111111000015	Citrus Packer
Each (Retail Selling Unit)	123459874555	navel orange (PLU code and size)	123456000018	Wholesaler	111111000015	Citrus Packer	111111000015	Citrus Packer

Attribute: brandOwner(GLN)

Data Type	Produce Industry Attribute Name	Produce Industry Definition	Example for attribute value entry	Initial Setup for EDI transactions (all dependent upon Item Maintenance (888) being required)	Transactional Fields for EDI (all dependent upon Item Maintenance (888) being required)	Necessary to be PTI Compliant
Numeric (13 digits)	brandOwner(GLN)	Unique location number (Global Location Number or GLN) identifying the brand owner. May or may not be the same entity as the information provider. More information on how to assemble a GLN can be found at http://www.gs1us.org/standards/identification_numbers/global_location_number. To validate the correct check digit, use the following link http://www.gs1us.org/solutions_services/tools/check_digit_calculator. To determine the owner of a GLN, use the collowing link http://gepir.gs1.org/.	1012345678919	Y	N	N

Guidance to consider:

If populated, it is mandatory that brandOwner(GLN) or additionalBrandOwnerIdentificationValue are populated.

Please refer to the brandOwner(GLN) examples below of how this field would be populated, not the actual values.

brandOwner(GLN) examples:

For Example: Company A is a citrus packer who packs navel oranges. In this example, Company A would be populated as the manufacturer. And navel oranges would be used for the Case, Inner Pack and/or Each GTIN level. Company A is Information Provider, Brand Owner, and Packer.

This is an example of a navel packer packing under its own label.

Package Description	GTIN	Product Description- Short	Information Provider GLN	Information Provider	Brand Owner GLN	Brand Owner	Manufacturer /PackerGLN	Manufacturer/Packer
Case	31234567891102	8 x 5lb bags navel orange	123456000018	Company A	123456000018	Company A	123456000018	Company A
Inner Pack	21234567891105	5 lb navel orange	123456000018	Company A	123456000018	Company A	123456000018	Company A
Each (Retail Selling Unit)	1234567891101	navel orange (PLU code and size)	123456000018	Company A	123456000018	Company A	123456000018	Company A

For its navel oranges, produce retailer contracts with citrus packing company to physically pack their private label citrus products using the retailer GTINs. The product specifications are controlled by the produce retailer even though the citrus packer packs the product. Produce retailer is listed on the package as the brand owner. In this example, produce retailer would be populated as the packer/manufacturer. Produce retailer requires packer to use produce retailer GTIN. Information Provider and Brand Owner is produce retailer and Packer is citrus packing company.

This is an example of a private label with a retailer GTIN.

Package Description	GTIN	Product Description- Short	Information Provider GLN	Information Provider	Brand Owner GLN	Brand Owner	Manufacturer /Pack- erGLN	Manufacturer/Packer
Case	31234567891102	8 x 5lb bags navel orange	123456000018	Produce Retailer	123456000018	Produce Retailer	123456000018	Produce Retailer
Inner Pack	21234567891105	5 lb navel orange	123456000018	Produce Retailer	123456000018	Produce Retailer	123456000018	Produce Retailer
Each (Retail Selling Unit)	1234567891101	navel orange (PLU code and size)	123456000018	Produce Retailer	123456000018	Produce Retailer	123456000018	Produce Retailer

For its navel oranges, produce retailer contracts with citrus packer to pack the product under the produce retailer brand name. The product specifications and physical packing process are controlled by citrus packer. Citrus packer is listed on the packaging as the manufacturer/packer. In this example, citrus packer would be populated as the manufacturer. Produce retailer required packer to use packers GTIN. Information Provider is produce retailer, Brand Owner is produce retailer and Manufacturer/Packer is citrus packer.

This is an example of a private label with a packer GTIN.

Package Description	GTIN	Product Description- Short	Information Provider GLN	Information Provider	Brand Owner GLN	Brand Owner	Manufacturer /Pack- erGLN	Manufacturer/Packer
Case	20123459874436	8 x 5lb bags navel orange	123456000018	Produce Retailer	123456000018	Produce Retailer	222222000013	Citrus Packer
Inner Pack	10123459874439	5 lb navel orange	123456000018	Produce Retailer	123456000018	Produce Retailer	222222000013	Citrus Packer
Each (Retail Selling Unit)	123459874432	navel orange (PLU code and size)	123456000018	Produce Retailer	123456000018	Produce Retailer	222222000013	Citrus Packer

For its navel oranges, wholesaler purchases oranges from citrus packer. Wholesaler acts as a distributor of citrus packer's oranges. The packaging states that citrus packer is the brand owner. In this example, citrus packer would be populated as the manufacturer/packer, with citrus packer's GLN. Information provider is wholesaler, Brand owner and Manufacture/Packer is citrus packer.

This is an example of a wholesaler/distributor.

Package Description	GTIN	Product Description- Short	Information Provider GLN	Information Provider	Brand Owner GLN	Brand Owner	Manufacturer /Pack-erGLN	Manufacturer/Packer
Case	10111111	8 x 5lb bags navel orange	123456000018	Wholesaler	111111000015	Citrus Packer	111111000015	Citrus Packer
Inner Pack	10123459874552	5 lb navel orange	123456000018	Wholesaler	111111000015	Citrus Packer	111111000015	Citrus Packer
Each (Retail Selling Unit)	123459874555	navel orange (PLU code and size)	123456000018	Wholesaler	111111000015	Citrus Packer	111111000015	Citrus Packer

Attribute: additionalBrandOwnerIdentificationType

Data Type	Produce Industry Attribute Name	Produce Industry Definition	Example for attribute value entry	Initial Setup for EDI Transactions (all dependent on farm mainte- nance (888) being required)	Transactional Fields for EDI (all dependent on farm maintenance (888) being required)	Necessary to be PTI Compliant
Code List	additionalBrandOwnerIdentificationType	Code used to identify additional brand owner identification value.	DUNS	Y	N	N

Guidance to consider:

Choose the value that best describes the identification type you're using for brand owner if not using GLN. This value should correlate with the number entered in additionalBrandOwnerIdentificationValue; e.g., DUNS.

This attribute has specific code values to be used in data entry. See below.

additionalBrandOwnerIdentificationType list:

Value
BUYER_ASSIGNED_IDENTIFIER_FOR_A_PARTY
DUNS
DUNS_PLUS_FOUR
SELLER_ASSIGNED_IDENTIFIER_FOR_A_PARTY
USDA_ESTABLISHMENT_NUMBER

Attribute: additionalBrandOwnerIdentificationValue

Data Type	Produce Industry Attribute Name	Produce Industry Definition	Example for attribute value entry	Initial Setup for EDI transactions (all dependent upon Item Maintenance (888) being required)	Transactional Fields for EDI (all dependent upon Item Maintenance (888) being required)	Necessary to be PTI Compliant
Numeric	additionalBrandOwnerIdentificationValue	Number used to identify the brand owner when not using GLN. May or may not be the same entity as the information provider.	1234567891111	Y	N	N

Guidance to consider:

This is the actual number or value relating to the additional brand owner identification; eg., DUNS #.

Attribute: tradeItemCountryOfOrigin

Data Type	Produce Industry Attribute Name	Produce Industry Definition	Example for attribute value entry	Initial Setup for EDI transactions (all dependent upon Item Maintenance (888) being required)	Transactional Fields for EDI (all dependent upon Item Maintenance (888) being required)	Necessary to be PTI Compliant
Code List (3 Characters)	tradeItemCountryOfOrigin	The Country of Origin is the list of all potential countries the item could be grown in. It is the actual Country of Origin for each transaction to be exchanged via transactional data. This entry should represent the actual country of origin where the item is grown. If a consumer unit contains a mix of produce from different countries, then all countries need to be listed.	840	Y	Y	Y

This attribute has specific code values to be used in data entry. See the allowed values below.

This is a sample of the 3 digit ISO Numerical Code for Country Codes.
Please reference http://unstats.un.org/unsd/methods/m49/m49alpha.htm for a current country code list.

Numerical Code	Country or area name	ISO APHA-3 code	Numerical Code	Country or area name	ISO APHA-3 code	Numerical Code	Country or area name	ISO APHA-3 code
004	Afghanistan	AFG	051	Armenia	ARM	056	Belgium	BEL
248	Åland Islands	ALA	533	Aruba	ABW	084	Belize	BLZ
008	Albania	ALB	036	Australia	AUS	204	Benin	BEN
012	Algeria	DZA	040	Austria	AUT	060	Bermuda	BMU
016	American Samoa	ASM	031	Azerbaijan	AZE	064	Bhutan	BTN
020	Andorra	AND	044	Bahamas	BHS	068	Bolivia (Plurinational State of)	BOL
024	Angola	AGO	048	Bahrain	BHR	535	Bonaire, Saint Eustatius and Saba	BES
660	Anguilla	AIA	050	Bangladesh	BGD	070	Bosnia and Herzegovina	BIH
028	Antigua and Barbuda	ATG	052	Barbados	BRB	072	Botswana	BWA
032	Argentina	ARG	112	Belarus	BLR	076	Brazil	BRA

Numerical Code	Country or area name	ISO APHA-3 code	Numerical Code	Country or area name	ISO APHA-3 code	Numerical Code	Country or area name	ISO APHA-3 code
092	British Virgin Islands	VGB	184	Cook Islands	COK	231	Ethiopia	ETH
096	Brunei Darussalam	BRN	188	Costa Rica	CRI	234	Faeroe Islands	FRO
100	Bulgaria	BGR	384	Côte d'Ivoire	CIV	238	Falkland Islands (Malvinas)	FLK
854	Burkina Faso	BFA	191	Croatia	HRV	242	Fiji	FJI
108	Burundi	BDI	192	Cuba	CUB	246	Finland	FIN
116	Cambodia	KHM	531	Curaçao	CUW	250	France	FRA
120	Cameroon	CMR	196	Cyprus	CYP	254	French Guiana	GUF
124	Canada	CAN	203	Czech Republic	CZE	258	French Polynesia	PYF
132	Cape Verde	CPV	408	Democratic People's Republic of Korea	PRK	266	Gabon	GAB
136	Cayman Islands	CYM	180	Democratic Republic of the Congo	COD	270	Gambia	GMB
140	Central African Republic	CAF	208	Denmark	DNK	268	Georgia	GEO
148	Chad	TCD	262	Djibouti	DJI	276	Germany	DEU
830	Channel Islands		212	Dominica	DMA	288	Ghana	GHA
152	Chile	CHL	214	Dominican Republic	DOM	292	Gibraltar	GIB
156	China	CHN	218	Ecuador	ECU	300	Greece	GRC
344	China, Hong Kong Special Administrative Region	HKG	818	Egypt	EGY	304	Greenland	GRL
446	China, Macao Special Administrative Region	MAC	222	El Salvador	SLV	308	Grenada	GRD
			226	Equatorial Guinea	GNQ	312	Guadeloupe	GLP
170	Colombia	COL	232	Eritrea	ERI	316	Guam	GUM
174	Comoros	COM	233	Estonia	EST	320	Guatemala	GTM
178	Congo	COG						

Numerical Code	Country or area name	ISO APHA-3 code	Numerical Code	Country or area name	ISO APHA-3 code	Numerical Code	Country or area name	ISO APHA-3 code
831	Guernsey	GGY	400	Jordan	JOR	470	Malta	MLT
324	Guinea	GIN	398	Kazakhstan	KAZ	584	Marshall Islands	MHL
624	Guinea-Bissau	GNB	404	Kenya	KEN	474	Martinique	MTQ
328	Guyana	GUY	296	Kiribati	KIR	478	Mauritania	MRT
332	Haiti	HTI	414	Kuwait	KWT	480	Mauritius	MUS
336	Holy See	VAT	417	Kyrgyzstan	KGZ	175	Mayotte	MYT
340	Honduras	HND	418	Lao People's Democratic Republic	LAO	484	Mexico	MEX
348	Hungary	HUN	428	Latvia	LVA	583	Micronesia (Federated States of)	FSM
352	Iceland	ISL	422	Lebanon	LBN	492	Monaco	MCO
356	India	IND	426	Lesotho	LSO	496	Mongolia	MNG
360	Indonesia	IDN	430	Liberia	LBR	499	Montenegro	MNE
364	Iran (Islamic Republic of)	IRN	434	Libya	LBY	500	Montserrat	MSR
368	Iraq	IRQ	438	Liechtenstein	LIE	504	Morocco	MAR
372	Ireland	IRL	440	Lithuania	LTU	508	Mozambique	MOZ
833	Isle of Man	IMN	442	Luxembourg	LUX	104	Myanmar	MMR
376	Israel	ISR	450	Madagascar	MDG	516	Namibia	NAM
380	Italy	ITA	454	Malawi	MWI	520	Nauru	NRU
388	Jamaica	JAM	458	Malaysia	MYS	524	Nepal	NPL
392	Japan	JPN	462	Maldives	MDV	528	Netherlands	NLD
832	Jersey	JEY	466	Mali	MLI	540	New Caledonia	NCL

Numerical Code	Country or area name	ISO APHA-3 code	Numerical Code	Country or area name	ISO APHA-3 code	Numerical Code	Country or area name	ISO APHA-3 code
554	New Zealand	NZL	630	Puerto Rico	PRI	686	Senegal	SEN
558	Nicaragua	NIC	634	Qatar	QAT	688	Serbia	SRB
562	Niger	NER	410	Republic of Korea	KOR	690	Seychelles	SYC
566	Nigeria	NGA	498	Republic of Moldova	MDA	694	Sierra Leone	SLE
570	Niue	NIU	638	Réunion	REU	702	Singapore	SGP
574	Norfolk Island	NFK	642	Romania	ROU	534	Sint Maarten (Dutch part)	SXM
580	Northern Mariana Islands	MNP	643	Russian Federation	RUS	703	Slovakia	SVK
578	Norway	NOR	646	Rwanda	RWA	705	Slovenia	SVN
275	Occupied Palestinian Territory	PSE	652	Saint-Barthélemy	BLM	090	Solomon Islands	SLB
512	Oman	OMN	654	Saint Helena	SHN	706	Somalia	SOM
586	Pakistan	PAK	659	Saint Kitts and Nevis	KNA	710	South Africa	ZAF
585	Palau	PLW	662	Saint Lucia	LCA	728	South Sudan	SSD
591	Panama	PAN	663	Saint-Martin (French part)	MAF	724	Spain	ESP
598	Papua New Guinea	PNG	666	Saint Pierre and Miquelon	SPM	144	Sri Lanka	LKA
600	Paraguay	PRY	670	Saint Vincent and the Grenadines	VCT	729	Sudan	SDN
604	Peru	PER	882	Samoa	WSM	740	Suriname	SUR
608	Philippines	PHL	674	San Marino	SMR	744	Svalbard and Jan Mayen Islands	SJM
612	Pitcairn	PCN	678	Sao Tome and Principe	STP	748	Swaziland	SWZ
616	Poland	POL	680	Sark		752	Sweden	SWE
620	Portugal	PRT	682	Saudi Arabia	SAU	756	Switzerland	CHE

Numerical Code	Country or area name	ISO APHA-3 code
760	Syrian Arab Republic	SYR
762	Tajikistan	TJK
764	Thailand	THA
807	The former Yugoslav Republic of Macedonia	MKD
626	Timor-Leste	TLS
768	Togo	TGO
772	Tokelau	TKL
776	Tonga	TON
780	Trinidad and Tobago	TTO
788	Tunisia	TUN
792	Turkey	TUR
795	Turkmenistan	TKM
796	Turks and Caicos Islands	TCA
798	Tuvalu	TUV
800	Uganda	UGA
804	Ukraine	UKR

Numerical Code	Country or area name	ISO APHA-3 code
804	Ukraine	UKR
826	United Kingdom of Great Britain and Northern Ireland	GBR
834	United Republic of Tanzania	TZA
840	United States of America	USA
850	United States Virgin Islands	VIR
858	Uruguay	URY
860	Uzbekistan	UZB
548	Vanuatu	VUT
862	Venezuela (Bolivarian Republic of)	VEN
704	Viet Nam	VNM
876	Wallis and Futuna Islands	WLF
732	Western Sahara	ESH
887	Yemen	YEM
894	Zambia	ZMB
716	Zimbabwe	ZWE

Guidance to consider:

Can list multiple countries using repeat fields for XML (not comma delimited). Retailers need to pick up Country of Origin (COO) from transactional data.

Attribute: classificationCategoryCode

Data Type	Produce Industry Attribute Name	Produce Industry Definition	Example for attribute value entry	Initial Setup for EDI transactions (all dependent upon Item Maintenance (888) being required)	Transactional Fields for EDI (all dependent upon Item Maintenance (888) being required)	Necessary to be PTI Compliant
Code List (10 characters)	classificationCategoryCode	This is the GPC Brick Code. It classifies the type of produce, the category of produce and the commodity itself.	10006037	Y	N	N

Guidance to consider:

To provide a classification of what the item is, use of the Global Product Classification (GPC) codes has been adopted. This classification system will help to provide more detail linking similar products together for comparisons. The GPC is a multi-level system. However, this attribute should be populated with the GPC Brick Code which best classifies the product. There should be one and only one GPC Brick Code for an item.

classificationCategoryCode list:
Please see http://www.gs1.org/services/gsmp/kc/gpc/index.html for a current listing of GPCs for all industries.

Brick Code	Brick Description
10000003	Fruit – Unprepared/Unprocessed (Shelf Stable)
10000006	Vegetables – Unprepared/Unprocessed (Shelf Stable)
10000007	Nuts/Seeds – Unprepared/Unprocessed (Perishable)
10000048	Herbs/Spices (Perishable)
10000206	Fruit – Prepared/Processed (Shelf Stable)
10005876	Grapefruits
10005877	Pummelos

Brick Code	Brick Description
10005878	Honey Pomelos
10005879	Sweeties
10005880	Tangelos
10005881	Ugli
10005882	Lemons
10005883	Mexican Limes
10005884	Limes
10005885	Limequats
10005886	Clementines
10005887	Satsuma Mandarins

Brick Code	Brick Description
10005888	Tangerines/Other Mandarins
10005889	Oranges
10005895	Apple Bananas
10005896	Baby Bananas
10005897	Bananas
10005898	Plantain Bananas
10005899	Red Bananas
10005900	Apples
10005901	Japanese Medlars
10005902	Nashi

Brick Code	Brick Description
10005903	Pears
10005905	Apricots
10005907	Sour Cherries
10005908	Stemless/Sweet Cherries
10005909	Damsons
10005910	Mirabelles
10005911	Nectarines
10005912	Peaches
10005913	Greengages
10005915	Plumcots

Brick Code	Brick Description	Brick Code	Brick Description	Brick Code	Brick Description	Brick Code	Brick Description
10005916	Pluots	10005954	Papayas Formosa	10005986	Carobs	10006049	Dill
10005917	Plums	10005955	Babacos	10005987	Cauliflower	10006050	Archangel
10005918	Table Grapes	10005956	Yellow Dragonfruits	10005988	Broccoli	10006051	Tarragon
10005922	Strawberries	10005957	Whitefleshed Sweet Pitayas	10005996	Brussels Sprouts	10006053	Chervil
10005923	Blackberries	10005958	Redfleshed Sweet Pitayas	10005997	Red Cabbages	10006054	Coriander
10005924	Boysenberries	10005959	Dates	10005999	White Cabbages	10006055	Garden Cress
10005925	Cloudberries	10005960	Figs	10006000	Savoy Cabbages	10006057	Lovage
10005927	Raspberries	10005961	Carambola	10006003	Garlic	10006058	Laurel
10005928	Bilberries	10005963	Bilimbi	10006004	Elephant Garlic	10006059	Marjoram
10005929	Blueberries	10005964	Lychees (Litchi)	10006005	Spring Onions	10006060	Pot Marjoram
10005930	Cranberries	10005965	Cape Gooseberries	10006006	Onions	10006061	Balm
10005932	Gooseberries	10005966	Rambutan	10006007	Kurrat	10006062	Peppermint
10005934	Yostaberries	10005967	Prickly Pears (Barbary Figs)	10006009	Shallots	10006063	Apple Mint
10005935	Pineapples	10005968	Mangosteen	10006014	Cucumbers	10006064	Spearmint
10005937	Kiwifruits	10005969	Mangos	10006015	Courgettes	10006065	Sweet Cicely
10005938	Kiwiberries	10005970	Pomegranates	10006031	Oyster Mushrooms	10006066	Oregano
10005939	Cherimoya	10005971	Guavas	10006034	Shiitake Mushrooms	10006068	Italian Parsley
10005940	Sugar Apples	10005972	Durian	10006035	Cep	10006070	Parsley Root
10005941	Bullock Hearts	10005973	Bread fruits	10006036	Truffles	10006071	Burnet Saxifrage
10005942	Soursop	10005974	Jackfruits	10006037	Watermelons	10006072	Rosemary
10005946	Kaki/ Sharon Fruits	10005976	French/Wax Beans	10006038	Pumpkins/Winter Squash	10006074	Chives
10005948	American Persimmon	10005979	Runner Beans	10006041	Basil	10006075	Common Thyme
10005949	Barbadines	10005980	Broad Beans	10006042	Holy Basil	10006076	Lemon Thyme
10005950	Curubas	10005981	Jack Beans	10006043	American Basil	10006077	Hyssop
10005951	Sweet Granadilla	10005982	Lima Beans	10006044	Mugwort	10006078	Lemon Verbena
10005952	Yellow Maracujas	10005984	Peas	10006047	Borage	10006079	Leaf Lettuce
10005953	Purple Maracujas	10005985	Sugar Peas	10006048	Watercress	10006085	Romaine (Cos) Lettuce

Brick Code	Brick Description
10006086	Lambs Lettuce
10006088	Rocket
10006089	Dandelion Greens/Lion's Tooth
10006090	Sorrel
10006091	Spinach
10006092	Purslane
10006093	Witloof
10006094	Radicchio
10006095	Sugarloaf
10006097	Endive (Curled)
10006100	Elongated Sweet Peppers (Pointed)
10006102	Chilli Peppers
10006103	Hot Peppers
10006104	Potatoes
10006107	Taro
10006108	Cassava
10006109	Lilac Tannia
10006110	White Tannia
10006111	Sweet Potatoes
10006113	Ginger
10006114	Radishes
10006115	Black Radishes
10006116	May Turnips
10006117	Turnip Tops
10006118	Swedish Turnips (Rutabagas)

Brick Code	Brick Description
10006119	Telotow Turnips
10006120	Turnips
10006121	Beetroot
10006122	Carrots
10006123	Celeriac
10006124	Horseradish
10006125	Jerusalem Artichokes
10006126	Parsnips
10006128	Aubergines
10006129	Asparagus
10006130	Globe Artichokes
10006131	Celery
10006133	Leek
10006134	Rhubarb
10006135	Cardoons
10006136	Palm Hearts
10006137	Bamboo Shoots
10006143	Chinese Cabbages
10006144	Kale
10006145	Pak Choi
10006146	Kohlrabi
10006147	Sweetcorn
10006148	Okra
10006155	Escarole
10006157	Cultivated Mushroom
10006158	Yardlong Beans
10006159	Lemongras

Brick Code	Brick Description
10006160	Feijoas
10006163	Tomatoes - Oblong
10006165	Tomatoes - Round
10006166	Tomatoes Variety Packs
10006167	Finger Avocados
10006168	Avocados - Pebbled Peel (Hass-Type)
10006169	Avocados - Smooth Peel
10006171	Vegetables – Unprepared/Unprocessed (Fresh) Variety Packs
10006172	Fruits - Unprepared/Unprocessed (Fresh) Variety Packs
10006173	Quinces
10006174	Ananas
10006175	Baskavas
10006176	Branco
10006180	Canari
10006181	Yellow Charentais
10006183	Galia
10006184	Honeydew
10006185	Kirkagac
10006186	Ogen
10006187	Piel de Sapo
10006188	Rochet
10006189	Tendral
10006190	Square Sweet Peppers (Blunt)

Brick Code	Brick Description
10006191	Square Tapering Sweet Peppers (Peg Top)
10006192	Flat Sweet Peppers (Tomato Peppers)
10006193	Red Currants
10006194	Black Currants
10006195	Pepper Variety Packs
10006196	Romanesco
10006197	Pointed Cabbage
10006198	Parsley (Curled)
10006199	Parsley (Flat)
10006259	Seedlings
10006260	Sprouts
10006261	Edible Flowers
10006262	Tidal Sea Vegetables
10006263	Beech Mushrooms
10006264	Enokitake
10006265	Eryngii
10006266	Other Wild Mushrooms
10006266	Scorzonera
10006267	Head/Iceberg Lettuce
10006268	Loose Leaf/Multileaf Lettuce
10006269	Baby Leaves
10006270	Snow Peas
10006271	Chickpeas
10006272	Fennel
10000048 or 10000049	Herbs/Spices (Perishable) or Herbs/Spices (Shelf Stable)

Brick Code	Brick Description
10006161 or 10006162	Cherry Tomatoes - Oblong or Cherry Tomatoes - Round
10006161 or 10006162 or 10006163 or 10006164 or 10006165	Cherry Tomatoes - Oblong or Cherry Tomatoes - Round or Tomatoes - Oblong or Tomatoes - Ribbed or Tomatoes - Round
10006163 or 10006165	Tomatoes - Oblong or Tomatoes - Round
10006182 or 10006179 or 10006177 or 1006181 or 10006178	Green Charentais or Green Eastern Shipper or Western Shipper or Yellow Charentais or Yellow Eastern Shipper
10006182 or 1006181	Green Charentais or Yellow Charentais
Either 10006112 or 10006111	Either Yams or Sweet Potatoes

Attribute: width & UoM

Data Type	Produce Industry Attribute Name	Produce Industry Definition	Example for attribute value entry	Initial Setup for EDI transactions (all dependent upon Item Maintenance (888) being required)	Transactional Fields for EDI (all dependent upon Item Maintenance (888) being required)	Necessary to be PTI Compliant
Numeric (Round up to 3 Decimals)	width & UoM	The measurement from left to right of the trade item. Measurements are relative to how the customer normally views the trade item. Needs to be associated with a valid UoM.	40	Y	N	Y
Code List (up to 3 Characters)			IN			

This attribute has specific code values to be used in data entry. See below.

Guidance to consider:

Width: This field is the numeric value.

UoM: This field is for the Unit of Measure. For any measurements non-US, use the metric values.

Width & UoM list:

Code Value	Code Name
CM	Centimetre
IN	Inches
MM	Millimetre
FT	Feet
DK	Kilometre
LF	Linear Foot
LM	Linear Metre
YD	Yard

Attribute: height & UoM

Data Type	Produce Industry Attribute Name	Produce Industry Definition	Example for attribute value entry	Initial Setup for EDI transactions (all dependent upon Item Maintenance (888) being required)	Transactional Fields for EDI (all dependent upon Item Maintenance (888) being required)	Necessary to be PTI Compliant
Numeric (Round up to 3 Decimals)	height & UoM	The measurement of the height of the trade item. The vertical dimension from the lowest extremity to the highest extremity, including packaging. At a pallet level the trade item height will include the height of the pallet itself. Measurements are relative to how the customer normally views the trade item. Needs to be associated with a valid UoM.	24	Y	N	Y
Code List (up to 3 Characters)			IN			

This attribute has specific code values to be used in data entry. See below.

Guidance to consider:

Height: This field is the numeric value.

UoM: This field is for the Unit of Measure found in the list above. For any measurements non-US, use the metric values.

height & UoM list:

Code Value	Code Name
CM	Centimetre
IN	Inches
MM	Millimetre
FT	Feet
DK	Kilometre
LF	Linear Foot
LM	Linear Metre
YD	Yard

Attribute: depth & UoM

Data Type	Produce Industry Attribute Name	Produce Industry Definition	Example for attribute value entry	Initial Setup for EDI transactions (all dependent upon Item Maintenance (888) being required)	Transactional Fields for EDI (all dependent upon Item Maintenance (888) being required)	Necessary to be PTI Compliant
Numeric (Round up to 3 Decimals)	depth & UoM	The measurement from front to back of the trade item. Measurements are relative to how the customer normally views the trade item. Needs to be associated with a valid UoM.	48	Y	N	Y
Code List (up to 3 Characters)			IN			

This attribute has specific code values to be used in data entry. See below.

Guidance to consider:

Depth: This field is the numeric value.

UoM: This field is for the Unit of Measure. For any measurements non-US, use the metric values.

Depth & UoM list:

Code Value	Code Name
CM	Centimetre
IN	Inches
MM	Millimetre
FT	Feet
DK	Kilometre
LF	Linear Foot
LM	Linear Metre
YD	Yard

Attribute: grossWeight & UoM

Data Type	Produce Industry Attribute Name	Produce Industry Definition	Example for attribute value entry	Initial Setup for EDI transactions (all dependent upon Item Maintenance (888) being required)	Transactional Fields for EDI (all dependent upon Item Maintenance (888) being required)	Necessary to be PTI Compliant
Numeric (Round up to 3 Decimals)	grossWeight & UoM	This would be the sum of the net weight of the product plus the tare weight of the packaging. Refer to the examples under the PMA Value List column for gross weight.	880	Y	Y	Y
Code List (up to 3 Characters)			LB			

Guidance to consider:

The gross weight field is the numeric value and the UoM field is for the Unit of Measure listed below. For any measurements non-US, use the metric values.

This attribute has specific code values to be used in data entry. Examples are also provided for gross weight, net weight and net content. See both below.

grossWeight & UoM list:

Code Value	Code Name
26	Actual Ton
BU	Bushel
GR	Gram

Code Value	Code Name
GT	Gross Kilogram
KG	Kilogram
LT	Litre

Code Value	Code Name
ML	Millimetre
58	Net Kilograms
OZ	Ounces

Code Value	Code Name
PT	Pint
PG	Pound Gross
LB	Pounds

Code Value	Code Name
PE	Pounds Equivalent
PN	Pounds Net
QT	Quart

grossWeight & UoM calculation example:

Example in Imperial Measure – Net Content Expressed as Weight

For the each, there is a Net Content of 1 pound and packaging weighing 0.2 pounds.

For the case, there is 1 pound of extra packaging, in addition to the packaging on the Eaches.

For the pallet, there is 50 pounds of extra packaging, in addition to the packaging on the Cases and Eaches.

GTIN	Trade Item Unit Descriptor	Total Quantity of Next Lower Level Trade Item	Net Measurement				Gross Measurement	
			Net Content	Net Content UoM	Net Weight	Net Weight UoM	Gross Weight	Gross Weight UoM
07612345678924	Pallet	100			1000	LB	1350	LB
10012345789004	Case	10			10	LB	13	LB
00012345789007	Each	n/a	1	LB			1.2	LB

Example in Imperial Measure – Net Content Expressed as an Each

For the each, there is a Net Content of 1 EA , and packaging weighing 0.5 pounds.

For the case, there is 1 pound of extra packaging, in addition to the packaging on the Eaches.

For the pallet, there is 15 pounds of extra packaging, in addition to the packaging on the Cases and Eaches.

GTIN	Trade Item Unit Descriptor	Total Quantity of Next Lower Level Trade Item	Net Measurement				Gross Measurement	
			Net Content	Net Content UoM	Net Weight	Net Weight UoM	Gross Weight	Gross Weight UoM
07612345543239	Pallet	100			200	LB	515	LB
07612345543222	Case	4			2	LB	5	LB
07612345543215	Each	n/a	1	EA			1	LB

Attribute: netWeight & UoM

Data Type	Produce Industry Attribute Name	Produce Industry Definition	Example for attribute value entry	Initial Setup for EDI transactions (all dependent upon Item Maintenance (888) being required)	Transactional Fields for EDI (all dependent upon Item Maintenance (888) being required)	Necessary to be PTI Compliant
Numeric (Round up to 3 Decimals)	netWeight & UoM	Net weight of the product. Does not include tare weight. In the case of a variable weight product, this would be the average weight. It is recommended that this be populated at all levels of the published hierarchy.	10	Y	Y	Y
Code List (up to 3 Characters)			LB			

This attribute has specific code values to be used in data entry. See below.

Guidance to consider:

The net weight field is for the numeric value. The UoM field is for the Unit of Measure listed below. For any measurements non-US, use the metric values. Use the code list values shown on the next page for weight only.

Examples are also provided for gross weight, net weight, and net content.

Code Value	Code Name
26	Actual Ton
AS	Assortment
BG	Bag
BA	Bale
BX	Box
BN	Bulk
BU	Bushel
CT	Carton
CA	Case
CM	Centimetre

Code Value	Code Name
1N	Count
DZ	Dozen
EA	Each
GR	Gram
GT	Gross Kilogram
HD	Half Dozen
IN	Inches
KG	Kilogram
LR	Layer(s)
LT	Litre

Code Value	Code Name
ML	Millilitre
MM	Millimetre
58	Net Kilograms
OZ	Ounces
PH	Pack
PK	Package
PL	Pallet
PC	Piece
PT	Pint
PG	Pound Gross

Code Value	Code Name
LB	Pounds
PE	Pounds Equivalent
PN	Pounds Net
QT	Quart
TE	Tote
NT	Trailer
TY	Tray
UN	Unit

netWeight & UoM calculation example:

Example in Imperial Measure – Net Content Expressed as Weight

For the each, there is a Net Content of 1 pound and packaging weighing 0.2 pounds.

For the case, there is 1 pound of extra packaging, in addition to the packaging on the Eaches.

For the pallet, there is 50 pounds of extra packaging, in addition to the packaging on the Cases and Eaches.

GTIN	Trade Item Unit Descriptor	Total Quantity of Next Lower Level Trade Item	Net Measurement				Gross Measurement	
			Net Content	Net Content UoM	Net Weight	Net Weight UoM	Gross Weight	Gross Weight UoM
07612345678924	Pallet	100			1000	LB	1350	LB
10012345789004	Case	10			10	LB	13	LB
00012345789007	Each	n/a	1	LB			1.2	LB

Example in Imperial Measure – Net Content Expressed as an Each

For the each, there is a Net Content of 1 EA , and packaging weighing 0.5 pounds.

For the case, there is 1 pound of extra packaging, in addition to the packaging on the Eaches.

For the pallet, there is 15 pounds of extra packaging, in addition to the packaging on the Cases and Eaches.

GTIN	Trade Item Unit Descriptor	Total Quantity of Next Lower Level Trade Item	Net Measurement				Gross Measurement	
			Net Content	Net Content UoM	Net Weight	Net Weight UoM	Gross Weight	Gross Weight UoM
07612345543239	Pallet	100			200	LB	515	LB
07612345543222	Case	4			2	LB	5	LB
07612345543215	Each	n/a	1	EA			1	LB

Attribute: netContent & UoM

Data Type	Produce Industry Attribute Name	Produce Industry Definition	Example for attribute value entry	Initial Setup for EDI transactions (all dependent upon Item Maintenance (888) being required)	Transactional Fields for EDI (all dependent upon Item Maintenance (888) being required)	Necessary to be PTI Compliant
Numeric (Round up to 3 Decimals)	netContent & UoM	The total declared weight, volume or content on the package. This field can be repeated to accommodate several values as necessary. The net content is required when the GTIN is marked as being a consumer unit. It is the sellable unit to the consumer. This attribute may be required by some trading partners for their individual business practices.	8	Y	Y	Y
Code List (up to 3 Characters)			LB, clamshell or each			
			Using a flat of strawberries as an example, if net content is populated at the case GTIN level (e.g., flat of strawberries), the net content could be the number of pints or clamshells, and/or weight of the strawberries without packaging. At the each GTIN level (e.g., pint), the net content could be one pint, one each and/or weight.			

Guidance to consider:

Net Content: This field is the numeric value. Examples are listed to help the industry understand the interplay between gross weight, net weight and net content. Net Content is the declared content that is on the package (the sellable unit to the consumer). It is required when the GTIN is marked as being the consumer unit.

UoM: This field is for the Unit of Measure. For any measurements non-US, use the metric values. For designation of size in the produce industry, use 'count' as UoM.

This attribute has specific code values to be used in data entry. See below. Examples are also provided for gross weight, net weight and net content also shown below.

Code Value	Code Name
26	Actual Ton
AS	Assortment
BG	Bag
BA	Bale
BX	Box
BN	Bulk
BU	Bushel
CT	Carton

Code Value	Code Name
CA	Case
CM	Centimetre
1N	Count
DZ	Dozen
EA	Each
GR	Gram
GT	Gross Kilogram
HD	Half Dozen

Code Value	Code Name
IN	Inches
KG	Kilogram
LR	Layer(s)
LT	Litre
ML	Millilitre
MM	Millimetre
58	Net Kilograms
OZ	Ounces

Code Value	Code Name
PH	Pack
PK	Package
PL	Pallet
PC	Piece
PT	Pint
PG	Pound Gross
LB	Pounds
PE	Pounds Equivalent

Code Value	Code Name
PN	Pounds Net
QT	Quart
TE	Tote
NT	Trailer
TY	Tray
UN	Unit

netContent & UoM calculation example:

Example of net content calculation:

Using a flat of strawberries as an example, if net content is populated at the case GTIN level (e.g., flat of strawberries), the net content could be the number of pints or clamshells, and/or weight of the strawberries without the weight of the package. At the each GTIN level (e.g., pint), the net content would be one pint, one each, and/or weight.

Example in Imperial Measure – Net Content Expressed as Weight
For the each, there is a Net Content of 1 pound and packaging weighing 0.2 pounds.
For the case, there is 1 pound of extra packaging, in addition to the packaging on the Eaches.
For the pallet, there is 50 pounds of extra packaging, in addition to the packaging on the Cases and Eaches.

GTIN	Trade Item Unit Descriptor	Total Quantity of Next Lower Level Trade Item	Net Measurement				Gross Measurement	
			Net Content	Net Content UoM	Net Weight	Net Weight UoM	Gross Weight	Gross Weight UoM
07612345678924	Pallet	100			1000	LB	1350	LB
10012345789004	Case	10			10	LB	13	LB
00012345789007	Each	n/a	1	LB			1.2	LB

Example in Imperial Measure – Net Content Expressed as an Each
For the each, there is a Net Content of 1 EA , and packaging weighing 0.5 pounds.
For the case, there is 1 pound of extra packaging, in addition to the packaging on the Eaches.
For the pallet, there is 15 pounds of extra packaging, in addition to the packaging on the Cases and Eaches.

GTIN	Trade Item Unit Descriptor	Total Quantity of Next Lower Level Trade Item	Net Measurement				Gross Measurement	
			Net Content	Net Content UoM	Net Weight	Net Weight UoM	Gross Weight	Gross Weight UoM
07612345543239	Pallet	100			200	LB	515	LB
07612345543222	Case	4			2	LB	5	LB
07612345543215	Each	n/a	1	EA			1	LB

Attribute: quantityOfLayersPerPallet

Data Type	Produce Industry Attribute Name	Produce Industry Definition	Example for attribute value entry	Initial Setup for EDI transactions (all dependent upon Item Maintenance (888) being required)	Transactional Fields for EDI (all dependent upon Item Maintenance (888) being required)	Necessary to be PTI Compliant
Integer	quantityOfLayersPerPallet	This would be the number of layers for a full pallet; for example the produce industry predominately uses the GMA 48x40 pallet for one product. The attribute would be the total number of layers for a pallet or the "HI". These are populated on the highest non-Pallet GTIN in the hierarchy.	4	Y	N (as long as GTIN is not required)	Y

Guidance to consider:

Do not use this field if you have multiple pallets. Use only if NO pallet GTIN has been assigned. If populated, population of quantityOfTradeItemsPerPallet and quantityOfTradeItemsPerPalletLayer is required.

Attribute: quantityOfTradeItemsPerPalletLayer

Data Type	Produce Industry Attribute Name	Produce Industry Definition	Example for attribute value entry	Initial Setup for EDI transactions (all dependent upon Item Maintenance (888) being required)	Transactional Fields for EDI (all dependent upon Item Maintenance (888) being required)	Necessary to be PTI Compliant
Integer	quantityOfTradeItemsPerPalletLayer	This is the number of shipping containers (highest level GTIN) per layer on the pallet. The produce industry predominately uses the GMA 48x40 pallet. The attribute would be the total number of products per layer of the pallet or the "TI". These are populated on the highest non-Pallet GTIN in the hierarchy.	1	Y	N (as long as GTIN is not required)	Y

Guidance to consider:

Do not use this field if you have multiple pallets. Use only if NO pallet GTIN has been assigned. If populated, population of quantityOfLayersPerPallet and quantityOfTradeItemsPerPallet is required.

Attribute: quantityOfNextLowerLevelTradeItem

Data Type	Produce Industry Attribute Name	Produce Industry Definition	Example for attribute value entry	Initial Setup for EDI transactions (all dependent upon Item Maintenance (888) being required)	Transactional Fields for EDI (all dependent upon Item Maintenance (888) being required)	Necessary to be PTI Compliant
Integer	quantityOfNextLowerLevelTradeItem	The number of next lower level trade item that this trade item contains. This applies to a specific child GTIN and denotes how many of that child there are.	45	Y	N	Y

Guidance to consider:

If a pallet GTIN is not assigned, but shipping by the pallet, you need to use this field to describe the contents of the pallet (TI & HI). Only use if have a multi-level hierarchy. In a case where there is only one child (e.g., only an apple), then totalQuantityOfNextLowerLevelTradeItem and quantityOfNextLowerLevelTradeItem would be the same. However, should a case have 2 child GTINs (e.g., an apple and an orange), then totalQuantityOfNextLowerLevelTradeItem would be the sum of the apples AND the oranges. And quantityOf-NextLowerLevelTradeItem would be listed under the apple GTIN as how many apples, and under the orange GTIN as how many oranges.

Attribute: effectiveDate

Data Type	Produce Industry Attribute Name	Produce Industry Definition	Example for attribute value entry	Initial Setup for EDI transactions (all dependent upon Item Maintenance (888) being required)	Transactional Fields for EDI (all dependent upon Item Maintenance (888) being required)	Necessary to be PTI Compliant
Date (CCYY-MM-DDTHH:MM:SS)	effectiveDate	This field is the date the data becomes effective.	2011-08-27T00:00:00	Y (refers to data)	N	Y

Guidance to consider:

This date refers to the date the data is available. It can be populated by the Information Provider as the current date or any date into the future. Population of a date into the future signifies that the data is not effective for use until that date and recipients should use the currently synchronized data until this date.

Attribute: startAvailabilityDateTime

Data Type	Produce Industry Attribute Name	Produce Industry Definition	Example for attribute value entry	Initial Setup for EDI transactions (all dependent upon Item Maintenance (888) being required)	Transactional Fields for EDI (all dependent upon Item Maintenance (888) being required)	Necessary to be PTI Compliant
Date (CCYY-MM-DDTHH:MM:SS)	startAvailabilityDateTime	The date from which the trade item becomes available from the manufacturer, including seasonal or temporary trade item and services. This is the date when orders can first be placed.	2011-08-27T00:00:00	Y	N	N

Guidance to consider:

Dates can be in the future. The date might be transacted more than once due to seasonality availability; start availability dates can be the same as the effective date but do not have to be.

Attribute: lastChangeDateTime

Data Type	Produce Industry Attribute Name	Produce Industry Definition	Example for attribute value entry	Initial Setup for EDI transactions (all dependent upon Item Maintenance (888) being required)	Transactional Fields for EDI (all dependent upon Item Maintenance (888) being required)	Necessary to be PTI Compliant
Date (CCYY-MM-DDTHH:MM:SS)	lastChangeDateTime	Indicates the point in time when the last modification on a Trade Item was made.	2011-08-30T25:10:00	Y	N	N

Attribute: quantityOfCompleteLayersContainedInTradeItem

Data Type	Produce Industry Attribute Name	Produce Industry Definition	Example for attribute value entry	Initial Setup for EDI transactions (all dependent upon Item Maintenance (888) being required)	Transactional Fields for EDI (all dependent upon Item Maintenance (888) being required)	Necessary to be PTI Compliant
Integer	quantityOfCompleteLayersContainedInTradeItem	Do not use this attribute unless you have assigned a GTIN to the pallet level of the hierarchy and the pallet is an orderable and invoice unit of measure. This is only populated on the Pallet GTIN.	N/A - only used if assigning GTIN to pallet	Y	N (as long as GTIN is not required)	N

Guidance to consider:

It is not recommended to assign GTINs to pallet level at this time; only recommended if assigning GTINs to pallets (if have different pallet configurations).

Attribute: quantityOfTradeItemsContainedInACompleteLayer

Data Type	Produce Industry Attribute Name	Produce Industry Definition	Example for attribute value entry	Initial Setup for EDI transactions (all dependent upon Item Maintenance (888) being required)	Transactional Fields for EDI (all dependent upon Item Maintenance (888) being required)	Necessary to be PTI Compliant
Integer	quantityOfTradeItemsContainedInACompleteLayer	Do not use this attribute unless you have assigned a GTIN to the pallet level of the hierarchy and the pallet is an orderable and invoice unit of measure. This is only populated on the Pallet GTIN.	N/A - only used if assigning GTIN to pallet	Y	N (as long as GTIN is not required)	N

Guidance to consider:

It is not recommended to assign GTINs to pallet level at this time; only recommended if assigning GTINs to pallets (if have different pallet configurations).

Attribute: quantityOfTradeItemsPerPallet

Data Type	Produce Industry Attribute Name	Produce Industry Definition	Example for attribute value entry	Initial Setup for EDI transactions (all dependent upon Item Maintenance (888) being required)	Transactional Fields for EDI (all dependent upon Item Maintenance (888) being required)	Necessary to be PTI Compliant
Integer	quantityOfTradeItemsPerPallet	This is total number of units on a pallet (should be TI x HI)	1	Y	N (as long as GTIN is not required)	N

Guidance to consider:

Input the numerical value for TI x HI. This field is required so that the recipient can know the total on a pallet when it does not have a GTIN.
Use only if NO Pallet GTIN has been assigned.

If populated, requires population of quantityOfLayersPerPallet, and quantityOfTradeItemsPerPalletLayer.

Attribute: nameOfInformationProvider

Data Type	Produce Industry Attribute Name	Produce Industry Definition	Example for attribute value entry	Initial Setup for EDI transactions (all dependent upon Item Maintenance (888) being required)	Transactional Fields for EDI (all dependent upon Item Maintenance (888) being required)	Necessary to be PTI Compliant
Text (1 to 35 characters) Free Text	nameOfInformationProvider	Name of the party who owns the data. Name of the information provider on the trade item.	D'Arrigo Bros. Co. of NY, Inc.	Y	N	N

Guidance to consider:

This is a human readable free text field of up to 35 characters. If populated, it is mandatory to populate the attribute field, informationProviderOfTradeItem(GLN).

Please refer to the nameOfInformationProvider examples below of how this field would be populated, not the actual values.

nameOfInformationProvider examples:

For example: Company A is a citrus packer who packs navel oranges. In this example, Company A would be populated as the manufacturer. And navel oranges would be used for the Case, Inner Pack and/or Each GTIN level. Company A is Information Provider, Brand Owner, and Packer.

This is an example of a navel packer packing under its own label.

Package Description	GTIN	Product Description- Short	Information Provider GLN	Information Provider	Brand Owner GLN	Brand Owner	Manufacturer / PackerGLN	Manufacturer/Packer
Case	31234567891102	8 x 5lb bags navel orange	123456000018	Company A	123456000018	Company A	123456000018	Company A
Inner Pack	21234567891105	5 lb navel orange	123456000018	Company A	123456000018	Company A	123456000018	Company A
Each (Retail Selling Unit)	1234567891101	navel orange (PLU code and size)	123456000018	Company A	123456000018	Company A	123456000018	Company A

For its navel oranges, produce retailer contracts with citrus packing company to physically pack their private label citrus products using the retailer GTINS. The product specifications are controlled by the produce retailer even though the citrus packer packs the product. Produce retailer is listed on the package as the brand owner. In this example, produce retailer would be populated as the packer/manufacturer. Produce retailer requires packer to use produce retailer GTIN. Information Provider and Brand Owner is produce retailer and Packer is citrus packing company.

This is an example of a private label with a retailer GTIN.

Package Description	GTIN	Product Description- Short	Information Provider GLN	Information Provider	Brand Owner GLN	Brand Owner	Manufacturer / PackerGLN	Manufacturer/Packer
Case	31234567891102	8 x 5lb bags navel orange	123456000018	Produce Retailer	123456000018	Produce Retailer	123456000018	Produce Retailer
Inner Pack	21234567891105	5 lb navel orange	123456000018	Produce Retailer	123456000018	Produce Retailer	123456000018	Produce Retailer
Each (Retail Selling Unit)	1234567891101	navel orange (PLU code and size)	123456000018	Produce Retailer	123456000018	Produce Retailer	123456000018	Produce Retailer

For its navel oranges, produce retailer contracts with citrus packer to pack the product under the produce retailer brand name. The product specifications and physical packing process are controlled by citrus packer. Citrus packer is listed on the packaging as the manufacturer/packer. In this example, citrus packer would be populated as the manufacturer. Produce retailer required packer to use packers GTIN. Information Provider is produce retailer, Brand Owner is produce retailer and Manufacturer/Packer is citrus packer.

This is an example of a private label with a packer GTIN.

Package Description	GTIN	Product Description- Short	Information Provider GLN	Information Provider	Brand Owner GLN	Brand Owner	Manufacturer / PackerGLN	Manufacturer/Packer
Case	20123459874436	8 x 5lb bags navel orange	123456000018	Produce Retailer	123456000018	Produce Retailer	222222000013	Citrus Packer
Inner Pack	10123459874439	5 lb navel orange	123456000018	Produce Retailer	123456000018	Produce Retailer	222222000013	Citrus Packer
Each (Retail Selling Unit)	123459874432	navel orange (PLU code and size)	123456000018	Produce Retailer	123456000018	Produce Retailer	222222000013	Citrus Packer

For its navel oranges, wholesaler purchases oranges from citrus packer. Wholesaler acts as a distributor of citrus packer's oranges. The packaging states that citrus packer is the brand owner. In this example, citrus packer would be populated as the manufacturer/packer, with citrus packer's GLN. Information provider is wholesaler, Brand owner and Manufacture/Packer is citrus packer.

This is an example of a wholesaler/distributor.

Package Description	GTIN	Product Description- Short	Information Provider GLN	Information Provider	Brand Owner GLN	Brand Owner	Manufacturer / PackerGLN	Manufacturer/Packer
Case	10111111	8 x 5lb bags navel orange	123456000018	Wholesaler	111111000015	Citrus Packer	111111000015	Produce Retailer
Inner Pack	10123459874552	5 lb navel orange	123456000018	Wholesaler	111111000015	Citrus Packer	111111000015	Produce Retailer
Each (Retail Selling Unit)	123459874555	navel orange (PLU code and size)	123456000018	Wholesaler	111111000015	Citrus Packer	111111000015	Produce Retailer

Attribute: informationProviderOfTradeItem(GLN)

Data Type	Produce Industry Attribute Name	Produce Industry Definition	Example for attribute value entry	Initial Setup for EDI transactions (all dependent upon Item Maintenance (888) being required)	Transactional Fields for EDI (all dependent upon Item Maintenance (888) being required)	Necessary to be PTI Compliant
Numeric (13 digits)	informationProviderOfTradeItem (GLN)	Unique location number (Global Location Number or GLN) identifying the the data source. This GLN may not be the same as the brand owner, specifically in the case of private label brands. It is the GLN for the provider of the product information which may or may not be the GTIN owner. More information on how to assemble a GLN can be found at http://bit.ly/MVPgOA. To validate the correct check digit, use the following link http://bit.ly/LYZJHZ. To determine the owner of a GLN, use the following link http://gepir.gs1.org/.	1012345678919	Y	N	N

Guidance to consider:

It is mandatory to populate nameOfInformationProvider if this field is populated. Use the field additionalInformationProviderOfTradeItemIdentificationValue if not using GLN.

Please refer to the informationProviderOfTradeItem examples below of how this field would be populated, not the actual values that should be entered in this field.

informationProviderOfTradeItem(GLN) examples:

For example: Company A is a citrus packer who packs navel oranges. In this example, Company A would be populated as the manufacturer. And navel oranges would be used for the Case, Inner Pack and/or Each GTIN level. Company A is Information Provider, Brand Owner, and Packer.

This is an example of a navel packer packing under its own label.

Package Description	GTIN	Product Description- Short	Information Provider GLN	Information Provider	Brand Owner GLN	Brand Owner	Manufacturer / PackerGLN	Manufacturer/Packer
Case	31234567891102	8 x 5lb bags navel orange	123456000018	Company A	123456000018	Company A	123456000018	Company A
Inner Pack	21234567891105	5 lb navel orange	123456000018	Company A	123456000018	Company A	123456000018	Company A
Each (Retail Selling Unit)	1234567891101	navel orange (PLU code and size)	123456000018	Company A	123456000018	Company A	123456000018	Company A

For its navel oranges, produce retailer contracts with citrus packing company to physically pack their private label citrus products using the retailer GTINS. The product specifications are controlled by the produce retailer even though the citrus packer packs the product. Produce retailer is listed on the package as the brand owner. In this example, produce retailer would be populated as the packer/manufacturer. Produce retailer requires packer to use produce retailer GTIN. Information Provider and Brand Owner is produce retailer and Packer is citrus packing company.

This is an example of a private label with a retailer GTIN.

Package Description	GTIN	Product Description- Short	Information Provider GLN	Information Provider	Brand Owner GLN	Brand Owner	Manufacturer / PackerGLN	Manufacturer/Packer
Case	31234567891102	8 x 5lb bags navel orange	123456000018	Produce Retailer	123456000018	Produce Retailer	123456000018	Produce Retailer
Inner Pack	21234567891105	5 lb navel orange	123456000018	Produce Retailer	123456000018	Produce Retailer	123456000018	Produce Retailer
Each (Retail Selling Unit)	1234567891101	navel orange (PLU code and size)	123456000018	Produce Retailer	123456000018	Produce Retailer	123456000018	Produce Retailer

For its navel oranges, produce retailer contracts with citrus packer to pack the product under the produce retailer brand name. The product specifications and physical packing process are controlled by citrus packer. Citrus packer is listed on the packaging as the manufacturer/packer. In this example, citrus packer would be populated as the manufacturer. Produce retailer required packer to use packers GTIN. Information Provider is produce retailer, Brand Owner is produce retailer and Manufacturer/Packer is citrus packer.

This is an example of a private label with a packer GTIN.

Package Description	GTIN	Product Description- Short	Information Provider GLN	Information Provider	Brand Owner GLN	Brand Owner	Manufacturer / PackerGLN	Manufacturer/Packer
Case	20123459874436	8 x 5lb bags navel orange	123456000018	Produce Retailer	123456000018	Produce Retailer	222222000013	Citrus Packer
Inner Pack	10123459874439	5 lb navel orange	123456000018	Produce Retailer	123456000018	Produce Retailer	222222000013	Citrus Packer
Each (Retail Selling Unit)	123459874432	navel orange (PLU code and size)	123456000018	Produce Retailer	123456000018	Produce Retailer	222222000013	Citrus Packer

For its navel oranges, wholesaler purchases oranges from citrus packer. Wholesaler acts as a distributor of citrus packer's oranges. The packaging states that citrus packer is the brand owner. In this example, citrus packer would be populated as the manufacturer/packer, with citrus packer's GLN. Information provider is wholesaler, Brand owner and Manufacture/Packer is citrus packer.

This is an example of a wholesaler/distributor.

Package Description	GTIN	Product Description- Short	Information Provider GLN	Information Provider	Brand Owner GLN	Brand Owner	Manufacturer / PackerGLN	Manufacturer/Packer
Case	10111111	8 x 5lb bags navel orange	123456000018	Wholesaler	111111000015	Citrus Packer	111111000015	Citrus Packer
Inner Pack	10123459874552	5 lb navel orange	123456000018	Wholesaler	111111000015	Citrus Packer	111111000015	Citrus Packer
Each (Retail Selling Unit)	123459874555	navel orange (PLU code and size)	123456000018	Wholesaler	111111000015	Citrus Packer	111111000015	Citrus Packer

Attribute: additionalInformationProviderOfTradeItemIdentificationType

Data Type	Produce Industry Attribute Name	Produce Industry Definition	Example for attribute value entry	Initial Setup for EDI transactions (all dependent upon Item Maintenance (888) being required)	Transactional Fields for EDI (all dependent upon Item Maintenance (888) being required)	Necessary to be PTI Compliant
Code List	additionalInformationProviderOfTradeItemIdentificationType	Code used to identify additional information provider of trade item.	DUNS	Y	N	N

Guidance to consider:

Choose the value that best describes the identification type you're using for the information provider; correlates with what is entered for additionalInformationProviderOfTradeItemIdentificationValue.

This attribute has specific code values to be used in data entry. See below.

additionalInformationProviderOfTradeItemIdentificationType list:

Value
BUYER_ASSIGNED_IDENTIFIER_FOR_A_PARTY
DUNS
DUNS_PLUS_FOUR
SELLER_ASSIGNED_IDENTIFIER_FOR_A_PARTY
USDA_ESTABLISHMENT_NUMBER

Attribute: additionalInformationProviderOfTradeItemIdentificationValue

Data Type	Produce Industry Attribute Name	Produce Industry Definition	Example for attribute value entry	Initial Setup for EDI transactions (all dependent upon Item Maintenance (888) being required)	Transactional Fields for EDI (all dependent upon Item Maintenance (888) being required)	Necessary to be PTI Compliant
Numeric	additionalInformationProviderOfTradeItemIdentificationValue	Number used to identify the information provider of the trade item when not using GLN. May or may not be the same entity as the brand owner.	1234567891112	Y	N	N

Guidance to consider:

This is the actual number relating to the additional information provider of the trade item e.g., DUNS #

Attribute: nameOfManufacturer

Data Type	Produce Industry Attribute Name	Produce Industry Definition	Example for attribute value entry	Initial Setup for EDI transactions (all dependent upon Item Maintenance (888) being required)	Transactional Fields for EDI (all dependent upon Item Maintenance (888) being required)	Necessary to be PTI Compliant
Text (1 to 35 characters) Free Text	nameOfManufacturer	This is the name(s) of the company which is responsible for the manufacturing process. This field can be repeated as necessary in conjunction with the Manufacturer GLN.	Leger & Son	Y	N	N

Guidance to consider:

Examples of how fields would be populated are listed below, not the actual values; the name that goes in this field must correspond to the GLN or other identifier, like the DUNS number. Assumption is made that the manufacturer is the grower of the product. If populated, population of manufacturer (GLN) is also required.

nameOfManufacturer examples:

For example: *Company A is a citrus packer who packs navel oranges. In this example, Company A would be populated as the manufacturer. And navel oranges would be used for the Case, Inner Pack and/or Each GTIN level. Company A is Information Provider, Brand Owner, and Packer.*

This is an example of a navel packer packing under its own label.

Package Description	GTIN	Product Description- Short	Information Provider GLN	Information Provider	Brand Owner GLN	Brand Owner	Manufacturer / PackerGLN	Manufacturer/Packer
Case	31234567891102	8 x 5lb bags navel orange	123456000018	Company A	123456000018	Company A	123456000018	Company A
Inner Pack	21234567891105	5 lb navel orange	123456000018	Company A	123456000018	Company A	123456000018	Company A
Each (Retail Selling Unit)	1234567891101	navel orange (PLU code and size)	123456000018	Company A	123456000018	Company A	123456000018	Company A

For its navel oranges, produce retailer contracts with citrus packing company to physically pack their private label citrus products using the retailer GTINS. The product specifications are controlled by the produce retailer even though the citrus packer packs the product. Produce retailer is listed on the package as the brand owner In this example, produce retailer would be populated as the packer/manufacturer. Produce retailer requires packer to use produce retailer GTIN. Information Provider and Brand Owner is produce retailer and Packer is citrus packing company.

This is an example of a private label with a retailer GTIN.

Package Description	GTIN	Product Description- Short	Information Provider GLN	Information Provider	Brand Owner GLN	Brand Owner	Manufacturer / PackerGLN	Manufacturer/Packer
Case	31234567891102	8 x 5lb bags navel orange	123456000018	Produce Retailer	123456000018	Produce Retailer	123456000018	Produce Retailer
Inner Pack	21234567891105	5 lb navel orange	123456000018	Produce Retailer	123456000018	Produce Retailer	123456000018	Produce Retailer
Each (Retail Selling Unit)	1234567891101	navel orange (PLU code and size)	123456000018	Produce Retailer	123456000018	Produce Retailer	123456000018	Produce Retailer

For its navel oranges, produce retailer contracts with citrus packer to pack the product under the produce retailer brand name. The product specifications and physical packing process are controlled by citrus packer. Citrus packer is listed on the packaging as the manufacturer/packer. In this example, citrus packer would be populated as the manufacturer. Produce retailer required packer to use packers GTIN. Information Provider is produce retailer, Brand Owner is produce retailer and Manufacturer/Packer is citrus packer.

This is an example of a private label with a packer GTIN.

Package Description	GTIN	Product Description- Short	Information Provider GLN	Information Provider	Brand Owner GLN	Brand Owner	Manufacturer / PackerGLN	Manufacturer/Packer
Case	20123459874436	8 x 5lb bags navel orange	123456000018	Produce Retailer	123456000018	Produce Retailer	222222000013	Citrus Packer
Inner Pack	10123459874439	5 lb navel orange	123456000018	Produce Retailer	123456000018	Produce Retailer	222222000013	Citrus Packer
Each (Retail Selling Unit)	123459874432	navel orange (PLU code and size)	123456000018	Produce Retailer	123456000018	Produce Retailer	222222000013	Citrus Packer

For its navel oranges, wholesaler purchases oranges from citrus packer. Wholesaler acts as a distributor of citrus packer's oranges. The packaging states that citrus packer is the brand owner. In this example, citrus packer would be populated as the manufacturer/packer, with citrus packer's GLN. Information provider is wholesaler, Brand owner and Manufacture/Packer is citrus packer.

This is an example of a wholesaler/distributor.

Package Description	GTIN	Product Description- Short	Information Provider GLN	Information Provider	Brand Owner GLN	Brand Owner	Manufacturer / PackerGLN	Manufacturer/Packer
Case	10111111	8 x 5lb bags navel orange	123456000018	Wholesaler	111111000015	Citrus Packer	111111000015	Citrus Packer
Inner Pack	10123459874552	5 lb navel orange	123456000018	Wholesaler	111111000015	Citrus Packer	111111000015	Citrus Packer
Each (Retail Selling Unit)	123459874555	navel orange (PLU code and size)	123456000018	Wholesaler	111111000015	Citrus Packer	111111000015	Citrus Packer

Attribute: manufacturer(GLN)

Data Type	Produce Industry Attribute Name	Produce Industry Definition	Example for attribute value entry	Initial Setup for EDI transactions (all dependent upon Item Maintenance (888) being required)	Transactional Fields for EDI (all dependent upon Item Maintenance (888) being required)	Necessary to be PTI Compliant
Numeric (13 digits)	manufacturer (GLN)	Unique location number (Global Location Number or GLN) identifying the manufacturer. More information on how to assemble a GLN can be found at http://bit.ly/MVPgOA. To validate the correct check digit, use the following link http://bit.ly/LYZJHZ. To determine the owner of a GLN, use the following link http://gepir.gs1.org/.	1012345678919	Y	N	N

Guidance to consider:

If populated, requires the population of nameOfManufacturer.

Refer to the manufacturer examples below of how this field would be populated, not the actual values. Assumption is that the manufacturer is the grower of the product.

manufacturer(GLN) examples:

For example: *Company A is a citrus packer who packs navel oranges. In this example, Company A would be populated as the manufacturer. And navel oranges would be used for the Case, Inner Pack and/or Each GTIN level. Company A is Information Provider, Brand Owner, and Packer.*

This is an example of a navel packer packing under its own label.

Package Description	GTIN	Product Description- Short	Information Provider GLN	Information Provider	Brand Owner GLN	Brand Owner	Manufacturer / PackerGLN	Manufacturer/Packer
Case	31234567891102	8 x 5lb bags navel orange	123456000018	Company A	123456000018	Company A	123456000018	Company A
Inner Pack	21234567891105	5 lb navel orange	123456000018	Company A	123456000018	Company A	123456000018	Company A
Each (Retail Selling Unit)	1234567891101	navel orange (PLU code and size)	123456000018	Company A	123456000018	Company A	123456000018	Company A

For its navel oranges, produce retailer contracts with citrus packing company to physically pack their private label citrus products using the retailer GTINS. The product specifications are controlled by the produce retailer even though the citrus packer packs the product. Produce retailer is listed on the package as the brand owner. In this example, produce retailer would be populated as the packer/manufacturer. Produce retailer requires packer to use produce retailer GTIN. Information Provider and Brand Owner is produce retailer and Packer is citrus packing company.

This is an example of a private label with a retailer GTIN.

Package Description	GTIN	Product Description- Short	Information Provider GLN	Information Provider	Brand Owner GLN	Brand Owner	Manufacturer / PackerGLN	Manufacturer/Packer
Case	31234567891102	8 x 5lb bags navel orange	123456000018	Produce Retailer	123456000018	Produce Retailer	123456000018	Produce Retailer
Inner Pack	21234567891105	5 lb navel orange	123456000018	Produce Retailer	123456000018	Produce Retailer	123456000018	Produce Retailer
Each (Retail Selling Unit)	1234567891101	navel orange (PLU code and size)	123456000018	Produce Retailer	123456000018	Produce Retailer	123456000018	Produce Retailer

For its navel oranges, produce retailer contracts with citrus packer to pack the product under the produce retailer brand name. The product specifications and physical packing process are controlled by citrus packer. Citrus packer is listed on the packaging as the manufacturer/packer. In this example, citrus packer would be populated as the manufacturer. Produce retailer required packer to use packers GTIN. Information Provider is produce retailer, Brand Owner is produce retailer and Manufacturer/Packer is citrus packer.

This is an example of a private label with a packer GTIN.

Package Description	GTIN	Product Description- Short	Information Provider GLN	Information Provider	Brand Owner GLN	Brand Owner	Manufacturer / PackerGLN	Manufacturer/Packer
Case	20123459874436	8 x 5lb bags navel orange	123456000018	Produce Retailer	123456000018	Produce Retailer	222222000013	Citrus Packer
Inner Pack	10123459874439	5 lb navel orange	123456000018	Produce Retailer	123456000018	Produce Retailer	222222000013	Citrus Packer
Each (Retail Selling Unit)	123459874432	navel orange (PLU code and size)	123456000018	Produce Retailer	123456000018	Produce Retailer	222222000013	Citrus Packer

For its navel oranges, wholesaler purchases oranges from citrus packer. Wholesaler acts as a distributor of citrus packer's oranges. The packaging states that citrus packer is the brand owner. In this example, citrus packer would be populated as the manufacturer/packer, with citrus packer's GLN. Information provider is wholesaler, Brand owner and manufacture/packer is citrus packer.

This is an example of a wholesaler/distributor.

Package Description	GTIN	Product Description- Short	Information Provider GLN	Information Provider	Brand Owner GLN	Brand Owner	Manufacturer / PackerGLN	Manufacturer/Packer
Case	10111111	8 x 5lb bags navel orange	123456000018	Wholesaler	111111000015	Citrus Packer	111111000015	Citrus Packer
Inner Pack	10123459874552	5 lb navel orange	123456000018	Wholesaler	111111000015	Citrus Packer	111111000015	Citrus Packer
Each (Retail Selling Unit)	123459874555	navel orange (PLU code and size)	123456000018	Wholesaler	111111000015	Citrus Packer	111111000015	Citrus Packer

Attribute: isTradeItemAnOrderableUnit

Data Type	Produce Industry Attribute Name	Produce Industry Definition	Example for attribute value entry	Initial Setup for EDI transactions (all dependent upon Item Maintenance (888) being required)	Transactional Fields for EDI (all dependent upon Item Maintenance (888) being required)	Necessary to be PTI Compliant
Boolean (Yes/No)	isTradeItemAnOrderableUnit	Is this packaging level the orderable level? Normally, this is YES if the level is the case.	YES	Y	N	N

Guidance to consider:

This attribute has specific code values to be used in data entry. See below.

isTradeItemAnOrderableUnit list:

Code Value
YES
NO

Attribute: isTradeItemAVariableUnit

Data Type	Produce Industry Attribute Name	Produce Industry Definition	Example for attribute value entry	Initial Setup for EDI transactions (all dependent upon Item Maintenance (888) being required)	Transactional Fields for EDI (all dependent upon Item Maintenance (888) being required)	Necessary to be PTI Compliant
Boolean (Yes/No)	isTradeItemAVariableUnit	This is a Yes or No indicator to describe whether this product is a variable weight or a fixed weight.	YES	Y	N	N

Guidance to consider:

This attribute has specific code values to be used in data entry. See below.

isTradeItemAVariableUnit list:

Code Value
YES
NO

Attribute: isTradeItemABaseUnit

Data Type	Produce Industry Attribute Name	Produce Industry Definition	Example for attribute value entry	Initial Setup for EDI transactions (all dependent upon Item Maintenance (888) being required)	Transactional Fields for EDI (all dependent upon Item Maintenance (888) being required)	Necessary to be PTI Compliant
Boolean (Yes/No)	isTradeItemABaseUnit	This is the lowest level of packaging which is published/shared.	YES	Y	N	N

Guidance to consider:

The produce industry is currently focused on case level identification, but plan for migration to the retail unit. If you do proceed to a lower level; i.e., the GS1 DataBar, you would need to come back to this field.

This attribute has specific code values to be used in data entry. See below.

isTradeItemABaseUnit list:

Code Value
YES
NO

Attribute: isTradeItemAConsumerUnit

Data Type	Produce Industry Attribute Name	Produce Industry Definition	Example for attribute value entry	Initial Setup for EDI transactions (all dependent upon Item Maintenance (888) being required)	Transactional Fields for EDI (all dependent upon Item Maintenance (888) being required)	Necessary to be PTI Compliant
Boolean (Yes/No)	isTradeItemAConsumerUnit	This indicator is populated when this GTIN level is marked so as to be processed across a point of sale system for sale to an end user.	NO	Y	N	N

Guidance to consider:

An example of this for produce would be clementine oranges, where the case is the consumer unit.
This attribute has specific code values to be used in data entry. See below.

isTradeItemAConsumerUnit list:

Code Value
YES
NO

Attribute: isTradeItemADespatchUnit

Data Type	Produce Industry Attribute Name	Produce Industry Definition	Example for attribute value entry	Initial Setup for EDI transactions (all dependent upon Item Maintenance (888) being required)	Transactional Fields for EDI (all dependent upon Item Maintenance (888) being required)	Necessary to be PTI Compliant
Boolean (Yes/No)	isTradeItemADespatchUnit	An indicator identifying that the information provider consider:s the trade item as a despatch (shipping) unit.	YES	Y	N	N

Guidance to consider:

Prevents ordering in retail units (e.g., Bagged Salad). This attribute has specific code values to be used in data entry. See below.

isTradeItemADespatchUnit list:

Code Value
YES
NO

Attribute: isTradeItemAnInvoiceUnit

Data Type	Produce Industry Attribute Name	Produce Industry Definition	Example for attribute value entry	Initial Setup for EDI transactions (all dependent upon Item Maintenance (888) being required)	Transactional Fields for EDI (all dependent upon Item Maintenance (888) being required)	Necessary to be PTI Compliant
Boolean (Yes/No)	isTradeItemAnInvoiceUnit	This indicator is populated when this GTIN level can appear on an invoice from the Information Provider to the recipient.	YES	Y	N	N

Guidance to consider:

This attribute has specific code values to be used in data entry. See below.

isTradeItemAnInvoiceUnit list:

Code Value
YES
NO

Attribute: isPackagingMarkedReturnable

Data Type	Produce Industry Attribute Name	Produce Industry Definition	Example for attribute value entry	Initial Setup for EDI transactions (all dependent upon Item Maintenance (888) being required)	Transactional Fields for EDI (all dependent upon Item Maintenance (888) being required)	Necessary to be PTI Compliant
Boolean (Yes/No)	isPackagingMarkedReturnable	This refers to the packaging for this GTIN level, and not the product itself. This is the empty shipping container, primarily. For produce in the RPC, the RPC is returnable so the value here would be YES.	YES	Y	N	N

Guidance to consider:

For produce in an RPC, the RPC is returnable so the value here would be YES. NOTE: RPC is not currently a code value for packaging type code for an RPC. The packagingTypeCode for an RPC is KTB.

This attribute has specific code values to be used in data entry. See below.

isPackagingMarkedReturnable list:

Code Value
YES
NO

Attribute: isNonSoldTradeItemReturnable

Data Type	Produce Industry Attribute Name	Produce Industry Definition	Example for attribute value entry	Initial Setup for EDI transactions (all dependent upon Item Maintenance (888) being required)	Transactional Fields for EDI (all dependent upon Item Maintenance (888) being required)	Necessary to be PTI Compliant
Boolean (Yes/No)	isNonSoldTradeItemReturnable	This is an indicator that any product which is not sold can be returned.	NO	Y	N	N

Guidance to consider:

An example of this would be guaranteed sales.

This attribute has specific code values to be used in data entry. See below.

isNonSoldTradeItemReturnable list:

Code Value
YES
NO

Attribute: isTradeItemMarkedAsRecyclable

Data Type	Produce Industry Attribute Name	Produce Industry Definition	Example for attribute value entry	Initial Setup for EDI transactions (all dependent upon Item Maintenance (888) being required)	Transactional Fields for EDI (all dependent upon Item Maintenance (888) being required)	Necessary to be PTI Compliant
Boolean (Yes/No)	isTradeItemMarkedAsRecyclable	Trade item has a recyclable indication marked on it. This may be a symbol from one of many regional agencies.	NO	Y	N	N

Guidance to consider:

This attribute has specific code values to be used in data entry. See below.

isTradeItemMarkedAsRecyclable list:

Code Value
YES
NO

Attribute: descriptionShort

Data Type	Produce Industry Attribute Name	Produce Industry Definition	Example for attribute value entry	Initial Setup for EDI transactions (all dependent upon Item Maintenance (888) being required)	Transactional Fields for EDI (all dependent upon Item Maintenance (888) being required)	Necessary to be PTI Compliant
Multidescription (Allows for a language qualifier) (1 to 35 characters) Free Text	descriptionShort	A free form short length description of the trade item that can be used to identify the trade item at point of sale. The schema uses common library component as shown in the GDD Max Size field. For the business requirements for item, please use the specific definition of this data type and field.	Red Seedless Watermelon	Y	N (based on trade item agreement)	N

Guidance to consider:

Consider that a lot of retailers build their point of sale systems off of this definition. It is a very short description and is what prints on the bill of sale. In this case, this refers to item level.

If populated, it also requires the population of functionalName.

Attribute: ingredientSequence

Data Type	Produce Industry Attribute Name	Produce Industry Definition	Example for attribute value entry	Initial Setup for EDI transactions (all dependent upon Item Maintenance (888) being required)	Transactional Fields for EDI (all dependent upon Item Maintenance (888) being required)	Necessary to be PTI Compliant
Integer (12 Characters)	ingredientSequence	This is an Integer (1; 2; 3 . . .) indicating the ingredient order by content percentage of the product. (major ingredient = 1; second ingredient = 2) etc.	Example of ingre-dientSequence	Y	N	N

Guidance to consider:

Ingredients must be listed in descending order of proportion by weight, as determined before they are combined to make the product. The ingredient list must be shown in both English and French unless otherwise exempted by the Food and Drug Regulations [B.01.008, B.01.012].

Canada and U.S. are harmonized with the exception for language requirements.

This attribute is mandatory if Class is invoked. If populated requires the population of ingredientName.

Please refer to the example below for data entry. This field is used whether you have one ingredient or multiple ingredients, packaged or unpackaged.

ingredientSequence examples:

For a GTIN with only one ingredient

GTIN is a Head of Iceberg Lettuce	
Attribute	Value
ingredientSequence	1
ingredientName	Iceberg Lettuce

* Attributes are repeated as a group for as many ingredients as are necessary for the GTIN.

For a GTIN with more than one ingredient

GTIN is a bag of Salad Mix*	
Attribute	Value
ingredientSequence	1
ingredientName	Romaine Lettuce

ingredientSequence	2
ingredientName	Red Cabbage

ingredientSequence	2
ingredientName	Red Cabbage

Attribute: ingredientName

Data Type	Produce Industry Attribute Name	Produce Industry Definition	Example for attribute value entry	Initial Setup for EDI transactions (all dependent upon Item Maintenance (888) being required)	Transactional Fields for EDI (all dependent upon Item Maintenance (888) being required)	Necessary to be PTI Compliant
Text (70 Characters) (Free Text)	ingredientName	Text field indicating one ingredient or ingredient group (according to regulations of the target market). Ingredients include any additives (colorings; preservatives; e-numbers; etc.) that are encompassed.	Example of ingredientName	Y	N	N

Guidance to consider:

Mandatory if Class is invoked. If populated requires the popualtion of ingredientSequence.

This field is used whether you have one ingredient or multiple ingredients.

ingredientName examples:

For a GTIN with only one ingredient

GTIN is a Head of Iceberg Lettuce	
Attribute	**Value**
ingredientSequence	1
ingredientName	Iceberg Lettuce

* Attributes are repeated as a group for as many ingredients as are necessary for the GTIN.

For a GTIN with more than one ingredient

GTIN is a bag of Salad Mix*	
Attribute	**Value**
ingredientSequence	1
ingredientName	Romaine Lettuce

ingredientSequence	2
ingredientName	Red Cabbage

ingredientSequence	3
ingredientName	Carrots

Attribute: ingredientStatement

Data Type	Produce Industry Attribute Name	Produce Industry Definition	Example for attribute value entry	Initial Setup for EDI transactions (all dependent upon Item Maintenance (888) being required)	Transactional Fields for EDI (all dependent upon Item Maintenance (888) being required)	Necessary to be PTI Compliant
Text (5000 character free text)	ingredientStatement	Information on the constituent ingredient makeup of the product specified as one string. Can only occur one time per GTIN.	May contain any or all of the following ingredients.	Y	N	N

Guidance to consider:

This field is a free text field to be used to put the statements such as 'May contain any or all of the following ingredients' due to seasonal or weather related issues with ingredients.

Attribute: packagingMaterialCode

Data Type	Produce Industry Attribute Name	Produce Industry Definition	Example for attribute value entry	Initial Setup for EDI transactions (all dependent upon Item Maintenance (888) being required)	Transactional Fields for EDI (all dependent upon Item Maintenance (888) being required)	Necessary to be PTI Compliant
Code List	packagingMaterialCode	The code identifying the type of package used as a container of the trade item.	79	Y	N	N

Guidance to consider:

This attribute has specific code values to be used in data entry. See below.

packagingMaterialCode list:

Value	Name	Definition	Current or Future	Being Replaced by
99	Bio-Plastic	Bio-plastic: Plastic certified as compliant with the European norm EN13432 over being recyclable through disintegration or biodegradation.	Current	BIO_PLASTIC
7	Burlap	Burlap: The American name for cloth woven from jute fibres. In other parts of the world it is known as Hessian, Hessian cloth, or gunny from the Indian gain.	Current	BURLAP
102	Composite	Composite: A material that is made from multiple materials.	Current	COMPOSITE
103	Corrugated	Corrugated: A non specific paperboard that has been drawn or bent into folds or alternate furrows and ridges.	Current	CORRUGATED
104	Corrugated Board	Corrugated Board: A structure formed by one corrugated inner member glued to one flat facing paperboard; also termed single faced.	Current	CORRUGATED_BOARD
96	Double Wall Corrugated Board	Double Wall Corrugated Board: A structure formed by two corrugated inner members glued to one intervening flat facing paperboard with two additional paperboards to each outside corrugated.	Current	DOUBLE_WALL_CORRUGATED_ BOARD
28	Double-wall Paper	Double-wall Paper	Current	PAPER

Value	Name	Definition	Current or Future	Being Replaced by
37	Fiberboard	Fiberboard	Current	PAPERBOARD
31	Fibre	Fibre: A non specific material made of a unit of matter, either natural or manufactured, that forms the basic element of fabrics and other textile structures.	Current	FIBRE
40	Fiberboard Metal	Fiberboard Metal	Current	METAL
34	Fibre (Paperboard)	Fibre (Paperboard)	Current	PAPERBOARD
3	Hard Wood	Hard Wood: A general term referring to any variety of broad-leaved, deciduous trees, and the wood from those trees. The term has nothing to do with the actual hardness of the wood; some hardwoods are softer than certain softwood (evergreen) species.	Current	HARDWOOD
106	Laminated Carton	Laminated Carton: A material made up of laminates of paperboard, foil and polyethylene which combined form a sheet suitable for asceptic processing.	Current	LAMINATED_CARTON
64	Molded Plastic	Molded Plastic	Current	PLASTIC
67	Multiple-wall Paper (2 or more walls)	Multiple-wall Paper (2 or more walls)	Current	PAPER
70	Multiple-wall Paper (3 or more walls)	Multiple-wall Paper (3 or more walls)	Current	PAPER
71	Not Otherwise Specified	Not Otherwise Specified: A non-specific material that can not be defined with the current material codes. Should be used as a temporary measure while a proper code is established for the type of material.	Current	OTHER
79	Plastic	Plastic: A non-specific material made of any of numerous organic synthetic or processed materials that are mostly thermoplastic or thermosetting polymers of high molecular weight and that can be made into objects, films, or filaments.	Current	PLASTIC
109	Polyethylene	Polyethylene terephthalate (PET): Polyethylene terephthalate is a thermoplastic polymer resin of the polyester family and is used in synthetic fibers. Can be applied to bottles, flasks and caps.	Current	PET
82	Pulpboard	Pulpboard: A grade of paperboard made with virtually no sizing and of relatively crude formation. It is usually of a lower density.	Current	PULPBOARD
95	Single Wall Corrugated Baord	Single Wall Corrugated Board: A structure formed by one corrugated inner member glued between two flat facing paperboards; also termed double faced.	Current	SINGLE_WALL_CORRUGATED_BOARD

Value	Name	Definition	Current or Future	Being Replaced by
5	Soft Wood	Soft Wood: General term used to describe lumber produced from needle and/or cone bearing trees (Conifers).	Current	SOFTWOOD
97	Triple Wall Corrugated Board	Triple Wall Corrugated Board: The structure formed by four flat facings and three intermediate corrugated members	Current	TRIPPLE_WALL_CORRUGATED_BOARD
51	Wire Mesh	Wire Mesh	Current	WIRE
94	Wood	Wood: A non specific material made from the hard fibrous lignified substance under the bark of trees.	Current	WOOD

Attribute: displayTypeCode

Data Type	Produce Industry Attribute Name	Produce Industry Definition	Example for attribute value entry	Initial Setup for EDI transactions (all dependent upon Item Maintenance (888) being required)	Transactional Fields for EDI (all dependent upon Item Maintenance (888) being required)	Necessary to be PTI Compliant
Code List	displayTypeCode	Code which will identify the type of display to be used in the retail store.	FDR	Y	N	N

Guidance to consider:

This attribute has specific code values to be used in data entry. See below.

displayTypeCode list:

Attribute	Value
SDR	Shelf Display Ready Packaging – A display unit that is ready for display on a shelf or counter.
FDR	Floor Display Ready Packaging – A display unit that is ready for display on the floor.
SND	Shelf Non-Assembled Display Packaging – A display unit that needs to be assembled before display on a shelf or counter.
FND	Floor Non-Assembled Display Packaging – A display unit that needs to be assembled before display on the floor Products types that were originally associated with unit descriptors MX and DS would use this attribute if they were display type.
UNS	Unspecified for cases where the supplier is unable to provide the precise type at that moment (or the type of display does not exist in the list yet), but still wants to communicate a display of a sort is present.

5. Attribute Listing:

Attributes	Page	Attributes	Page	Attributes	Page
globalTradeItemNumber **	10	tradeItemCountryOfOrigin **	63	nameOfManufacturer	97
tradeItemUnitDescriptor **	11	classificationCategoryCode	66	manufacturer (GLN)	100
descriptiveSize **	38	width & UoM **	69	isTradeItemAnOrderableUnit	103
packagingTypeCode **	40	height & UoM **	70	isTradeItemAVariableUnit	104
gradeCode **	43	depth & UoM **	71	isTradeItemABaseUnit	105
gradeCodeAgency **	44	grossWeight & UoM **	72	isTradeItemAConsumerUnit	106
growingMethodCode **	45	netWeight & UoM **	74	isTradeItemADespatchUnit	107
tradeItemDescription **	47	netContent & UoM **	77	isTradeItemAnInvoiceUnit	108
additionalTradeItemIdentificationType	48	quantityOfLayersPerPallet **	80	isPackagingMarkedReturnable	109
additionalTradeItemIdentificationValue	49	quantityOfTradeItemsPerPalletLayer **	81	isNonSoldTradeItemReturnable	110
additionalTradeItemDescription	50	quantityofNextLowerLevelTradeItem **	82	isTradeItemMarkedAsRecyclable	111
maturityMethodAtTimeofSale	51	effectiveDate **	83	descriptionShort	112
organicTradeItemCode	52	startAvailabilityDateTime	84	ingredientSequence	113
organicClaimAgency	53	lastChangeDateTime	85	ingredientName	115
brandName **	54	quantityOfCompleteLayersContainedInATradeItem	86	ingredientStatement	116
nameOfBrandOwner	55	quantityOfTradeItemsContainedInACompleteLayer	87	packagingMaterialCode	117
brandOwner (GLN)	58	quantityOfTradeItemsPerPallet	88	displayTypeCode	119
additionalBrandOwnerIdentificationType	61	nameOfInformationProvider	89		
additionalBrandOwnerIdentificationValue	62	informationProviderOfTradeItem (GLN)	92		
** Indicates attribute required for PTI Compliance					