Seed Council: Seed Product Directory Guidelines

# Business Purpose

This document provides information and guidelines around seed product data in the Ag Industry Identification System (AGIIS) directory in order to have more consistency in the way the seed products are loaded and maintained in AGIIS. The following help:

* Clarify the definition of the fields used and needed for seed products
* Understand what codes seed manufacturers are using, in certain key fields.
* Provide an example for a product load and product extract.

# Background

The Seed Council recognized that there was very little documentation as to how to implement and load the products (specially the seed products) in AGIIS. Because of the lack of guidelines, the Council feels that the previously loaded data is inconsistent and difficult for those wanting to utilize that data. AGIIS has provided the electronic capability to upload and download Seed products in the AGIIS product directory.

**AGIISProductUpdate XML Mapping Document**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Record Level** | **Data Element \ @Attribute**  | **Required Y/N** | **Description** | Example  |
| **Header**/ThisDocumentIdentifier  | DocumentIdentifier  | Y | CIDX Chem eStandards v3.0 DateTime followed by a 4 digit sequence number. Total 19 digits | 000020110505T092261  |
| **Header**/ThisDocumentDateTime | DateTime | Y | Follows the guidelines set forth by the CIDX Chem eStandards v3.0 for DateTime information YYYYMMDDhhmmss | 20110505T092261,2011-04-13T18:15:46Z |
| **Header**/ThisDocumentDateTime/DateTime | DateTimeQualifier | Y | Data element that qualifies the Date Time element. "On" | On  |
| **Header/From**/PartnerInformation  | PartnerName | Y | Sending Subscribers name | ABC Company  |
| **Header/From**/PartnerInformation  | PartnerIdentifier | Y | Sending Subscriber's EBID | 8097318700000 |
| **Header/From**/PartnerInformation / PartnerIdentifier |  @Agency | Y | The type of unique identifier. (EBID) | EBID |
| **Header/From**/PartnerInformation / ContactInformation | ContactName | Y | Name of the person to contact if problems exist in the file. | Bob Smith  |
| **Header/From**/PartnerInformation / ContactInformation / TelephoneNumber | NationalTelephoneNumber | N | Phone number to reach the sending subscriber contact. | 555-123-4567 |
| **Header/From**/PartnerInformation / ContactInformation | EmailAddress | Y | Email address of the sending subscriber contact | bobsmith@abccompany.com |
| **Header/To**/PartnerInformation  | PartnerName | Y | Name of the receiving company | CSC |
| **Header/To**/PartnerInformation  | PartnerIdentifier | Y | Receiving company's EBID | 1324108090000 |
| **Header/To**/PartnerInformation / PartnerIdentifier |  @Agency | Y | The type of unique identifier (EBID | EBID |
| **Header/To**/PartnerInformation / ContactInformation | ContactName | Y | Name of the designated contact at the receiving company | Help Desk |
| **Header/To**/PartnerInformation / ContactInformation / TelephoneNumber | NationalTelephoneNumber | N | Phone number to reach the receiving company contact | 866-251-8618 |
| **Header/To**/PartnerInformation / ContactInformation | EmailAddress | Y | Email address of the receiving company contact. | helpdesk@agiis.org |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails / **CompanyInformation**  |  @ActiveFlag | Y | Indicates whether the company is active or inactive. Required. | Active, Inactive  |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails / **CompanyInformation**  | PartnerName | Y | Manufacturer name used to retrieve the records. | Bayer CropScience |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails / **CompanyInformation**  | PartnerIdentifier | Y | Manufacturer's unique Identifier | 8097318700000 |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails / **CompanyInformation** / PartnerIdentifier |  @Agency | Y | The type of unique identifier (EBID) | EBID |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails / **CompanyInformation** / AddressInformation | AddressLine1 | N | Manufacturer's physical address line 1. When doing e-Biz Connectivity, the correct address will be pulled forward through the EBID. If a company has multiple addresses, the correct address will show based on the EBID. | 123 South First Street |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails / **CompanyInformation** / AddressInformation | AddressLine2 | N | Manufacturer's physical address line 2. When doing e-Biz Connectivity, the correct address will be pulled forward through the EBID. If a company has multiple addresses, the correct address will show based on the EBID. | Suite 100 |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails / **CompanyInformation** / AddressInformation | CityName | N | Manufacturer's physical city | Minneapolis  |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails / **CompanyInformation** / AddressInformation | StateOrProvince | N | Manufacturer's physical state/province. When doing e-Biz Connectivity, the correct address will be pulled forward through the EBID. If a company has multiple addresses, the correct address will show based on the EBID. | MN |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails / **CompanyInformation**  / AddressInformation | PostalCode | N | Manufacturer's physical postal code. When doing e-Biz Connectivity, the correct address will be pulled forward through the EBID. If a company has multiple addresses, the correct address will show based on the EBID. | 55360 |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails / **CompanyInformation**  / AddressInformation | PostalCounty | N | Manufacturer's postal county |  |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails / **CompanyInformation** / AddressInformation | FIPSCode | N | Manufacturer's FIPS code. Federal information processing standards codes (FIPS codes) |  |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails / **CompanyInformation**  / AddressInformation | CountryName | N | Manufacturer's Country |  |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /**CompanyInformation** / CompanyPrefixCode |  @ActiveFlag | Y | Indicates whether the company prefix code is active or inactive. Required. | Active |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /**CompanyInformation** / CompanyPrefixCode | CompanyPrefixCode | Y | A variable number issued by either the GS1 or AgGateway. The Co. Prefix Code is an element of the industry product code that uniquely identifies the manufacturer or company within that code. | 0785740 |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /**CompanyInformation** /  | URL | N | The subscriber's web site address. The full URL must be entered including the proper protocol, such as http:, ftp:, or https:. When doing e-Biz Connectivity, the correct URL will be pulled forward through the EBID. If a company has multiple URLs, the correct URL will show based on the EBID.  |  |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /**CompanyInformation** /  | LastModifiedDateTime | N | If populated by the subscriber this field is ignored during product import but is automatically populated by the system. In a product extract this field contains the date\time the company information was last updated. System auto-populates if there is information at that level.  |  |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /CompanyInformation / **ProductInformation** |  @ActiveFlag | Y | Indicates whether the product is active or inactive. Changing the status of the product to Inactive will also change the status of all package size and package configuration records associated with the product. A warning message will be displayed to remind users of the automatic inactivation of package sizes and configurations. Required. | Active, Inactive  |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /CompanyInformation / **ProductInformation** / ProductIdentification | ProductIdentifier | Y | A unique number within your company that identifies the product. This is the manufacturer proprietary ID. Required. | 5501, AG0331 A3 |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /CompanyInformation / **ProductInformation** / ProductIdentification | ProductName | Y | The registered name of the product. Required. | BCSX 0104B2F, AG0331 Diamir/Metalaxyl/Insecticide |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /CompanyInformation / **ProductInformation**  | BrandName | Y | The manufacturer's name for the related grouping of products to which this product belongs. This field only displays if Primary Category selected is Seed. | BCSX, ASGROW |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /CompanyInformation / **ProductInformation**  | ProductVariety | Y | The commercially used designation to represent the product in sales catalogs and literature. Required. | BCSX 0104B2F, AG0331 |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /CompanyInformation / **ProductInformation**  | ProductMaturity | N | The amount of time that the seed requires prior to harvesting (a number of days e.g., 120) or the ideal seasonal growing zone for the seed product (a numeric value with or without a decimal, e.g., 4 or 3.1). Not a required field but should be defined for each crop for consistency. If no value is provided, default is ‘0’.  |  |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /CompanyInformation / **ProductInformation**  | ProductTraits | N | Specific biotech and non-biotech attributes associated with the genetics of the seed or germ plasma. The AGIIS length of the field is 255 characters. | LL, GENRR2Y |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /CompanyInformation / **ProductInformation**  | ProductCrop | Y | Indicates the type of crop the seed will produce. Required. There is a code table for the Product Crop. That table can be found on the AgGateway and AGIIS website. | COTTON, Soybeans |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /CompanyInformation / **ProductInformation**  | ProductTreatments | N | Processes and products applied to the seed. There is a code table for the ProductCrop. That table can be found on the AgGateway and AGIIS website. Value should “Untreated” or the specific treatment name. Recommendation is that it be a Required field.  | BASE TREATMENT PACKAGE , Diamir/Metalaxyl/Insecticide;  |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /CompanyInformation / **ProductInformation**  | BuyingCompanyEBID | N | EBID Code of the company buying this product. This element is used when a product or the marketing rights has been purchased by another company. It is important to not only identify the company but the date the purchase takes into effect (see next item)  |  |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /CompanyInformation / **ProductInformation**  | OwnershipChangeDate | N | Date the product ownership changed to the current owner, if applicable. 2011- this element has been requested to be a **Conditional Requirement** that if the BuyingCompanyEBID is populated, then this element will be required to be populated.  |  |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /CompanyInformation / **ProductInformation**  | DateLastVerified | N | Date when the Product information was last verified. If this field is left blank, the system defaults to the current date during product add or update. Format ISO 8601 (yyyyMMddTHHmmss) | 20110504 |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /CompanyInformation / **ProductInformation**  | PrimaryProductSegmentCode | Y | Indicates to which industry this product most closely belongs. Select the appropriate category. Packaging for material is listed under “Other” category.  | SEED |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /CompanyInformation / **ProductInformation**  | OtherProductSegmentCode | N | Indicates any additional categories to which this product belongs. More than one check box may be selected (cannot be the same as the Primary Category selected). |  |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /CompanyInformation / **ProductInformation**  | OtherProductSegmentCode | N | Indicates any additional categories to which this product belongs. More than one check box may be selected (cannot be the same as the Primary Category selected). |  |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /CompanyInformation / **ProductInformation**  | OtherProductSegmentCode | N | Indicates any additional categories to which this product belongs. More than one check box may be selected (cannot be the same as the Primary Category selected). |  |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /CompanyInformation / **ProductInformation**  | EPARegistrationNumber | N | Required if the product category is chemical. Seeds does not have an EPA registration number.  | NA |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /CompanyInformation / **ProductInformation**  | UserdefinedField1 | N | Up to three Subscriber-defined fields that allow related data to be collected for this product record. Enter relevant information. | MTA2 |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /CompanyInformation / **ProductInformation**  | UserdefinedField2 | N | Up to three Subscriber-defined fields that allow related data to be collected for this product record. Enter relevant information. **Recommendation is to use this field as “GPOS Reportable”.** |  |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /CompanyInformation / **ProductInformation**  | UserdefinedField3 | N | Up to three Subscriber-defined fields that allow related data to be collected for this product record. Enter relevant information. |  |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /CompanyInformation / **ProductInformation**  | LastModifiedDateTime | N | If populated by the subscriber this field is ignored during product import but is automatically populated by the system. In a product extract this field contains the date\time the product information was last updated. System auto-populates if there is information at that level. |  |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /CompanyInformation / **ProductInformation** / LinkedAgreementInformation | PartnerIdentifier | CR | The unique identifier of the Agreement Owner.This is Conditionally Required. If an agreement is entered, all LinkedAgreement fields are required.  | 0062668030000 |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /CompanyInformation / **ProductInformation** / LinkedAgreementInformation |  @Agency | CR | The type of unique identifier (EBID)This is Conditionally Required. If an agreement is entered, all LinkedAgreement fields are required.  | EBID |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /CompanyInformation / **ProductInformation** / LinkedAgreementInformation | AgreementCode | CR | A Product and Agreement link can be established if the purchase of the product requires a license. This is Conditionally Required. If an agreement is entered, all LinkedAgreement fields are required.  | MTA2 |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /CompanyInformation / ProductInformation /**PackageSizeInformation** |  @ActiveFlag | Y | Indicates whether the package size is active or inactive. Changing the status of the package size to Inactive will also change the status of all package configuration records associated with the package size. A warning message will be displayed to remind users of the automatic inactivation of package configurations. The package size cannot be changed to active if the associated product is inactive. Required. | Active, Inactive |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /CompanyInformation / ProductInformation /**PackageSizeInformation** | PackageSizeCode | Y | A unique number within your company that identifies the package size. Required; must be numeric, up to 11 digits long. The combination of the Package Size ID and the Company Prefix Code must be 12 digits long. | 14753, 0883580 |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /CompanyInformation / ProductInformation /**PackageSizeInformation** | CompanyPrefixCode | Y | An identification number associated with the company's products, usually the GS1 identification number. Required. The combination of the Package Size ID and the Company Prefix Code must be 12 digits long. | 0785740 |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /CompanyInformation / ProductInformation /PackageSizeInformation / **PackageConfigurationInformation** /CompanyPrefixCode |  @ActiveFlag | Y | Indicates whether the package configuration is active (the default) or inactive. Package configuration cannot be Active if the associated Package Size or Product is Inactive. Required. | Active, Inactive  |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /CompanyInformation / ProductInformation /**PackageSizeInformation** | PackageSizeName | Y | The full name of the package size. Required. | BCSX 0104B2F CMN 220K BAG US, AG0331 GENRR2Y 140M Insect+Fung |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /CompanyInformation / ProductInformation /**PackageSizeInformation** | ShortDescription | N | Short text description of the package size. | BCSX 0104B2F CMN 220K BAG US, 140.00 MK BAG |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /CompanyInformation / ProductInformation /**PackageSizeInformation** /BaseQuantity | MeasurementValue | Y | The volume quantity of the formulation contained in the lowest saleable package. | 1, 140.0 |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /CompanyInformation / ProductInformation /**PackageSizeInformation** /BaseQuantity | UnitOfMeasureCode | Y | The unit of measure of the formulation contained in the lowest saleable package. Select the appropriate unit of measure from either the ANSI X12 or UN Rec 20. Required. | PC, MIL, BG |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /CompanyInformation / ProductInformation /**PackageSizeInformation** / BaseQuantity / Measurement /UnitOfMeasureCode |  @Domain | Y | If you select an ANSI X12 Unit of Measure, the system will automatically determine the corresponding UN Rec 20 Unit of Measure. If you select a UN Rec 20 Units of Measure, the system will automatically determine the corresponding ANSI X12 Units of Measure. | ANSI X12, UN REC 20 |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /CompanyInformation / ProductInformation /**PackageSizeInformation** /PackageUnitOfMeasureCode | PackageUnitOfMeasureCode | Y | The unit of measure for the lowest saleable package from the EDI unit of measure. Select the appropriate unit of measure from either the ANSI X12 or UN Rec 20 list. Required. | UN, BG |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /CompanyInformation / ProductInformation /**PackageSizeInformation** /PackageUnitOfMeasureCode |  @Domain | Y | If you select an ANSI X12 Unit of Measure, the system will automatically determine the corresponding UN Rec 20 Unit of Measure. If you select a UN Rec 20 Units of Measure, the system will automatically determine the corresponding ANSI X12 Units of Measure. | ANSI X12, UN REC 20 |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /CompanyInformation / ProductInformation /**PackageSizeInformation** /ReportingUnitOfMeasureCode | ReportingUnitOfMeasureCode | CR | The unit of measure manufacturers require all trading partners to use for all transactions and reporting. Select the appropriate unit of measure from either the ANSI X12 or UN Rec 20 list.If product is required to be reported, this should be populated. | UN, BG |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /CompanyInformation / ProductInformation /**PackageSizeInformation** /ReportingUnitOfMeasureCode |  @Domain | CR | If you select an ANSI X12 Unit of Measure, the system will automatically determine the corresponding UN Rec 20 Unit of Measure. If you select a UN Rec 20 Units of Measure, the system will automatically determine the corresponding ANSI X12 Units of Measure. Seed need UN Rec 20 | ANSI X12, UN REC 20 |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /CompanyInformation / ProductInformation /**PackageSizeInformation** | SeedSize | CR | A description of the size of the seed kernel, such as AF or AR. Not applicable to soybean products. Required only for Corn. |  |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /CompanyInformation / ProductInformation /**PackageSizeInformation** | LongDescription | N | Full text description of the package size. |  |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /CompanyInformation / ProductInformation /**PackageSizeInformation** | DateEntered | N | If populated by the subscriber this field is ignored during product import but is automatically populated by the system. In a product extract this field contains the date\time the package size information was added to the system. |  |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /CompanyInformation / ProductInformation /**PackageSizeInformation** | DateStatusChanged | N | The date\time the package size status was changed as supplied by the subscriber during product import. |  |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /CompanyInformation / ProductInformation /**PackageSizeInformation** | CountryCode | N | Indicates the countries in which the product/package size is sold. Select the appropriate countries. |  |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /CompanyInformation / ProductInformation /**PackageSizeInformation** | UserDefinedField1 | N | Up to three Subscriber-defined fields that allow related data to be collected for this package size record. Enter relevant information. |  |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /CompanyInformation / ProductInformation /**PackageSizeInformation** | UserDefinedField2 | N | Up to three Subscriber-defined fields that allow related data to be collected for this package size record. Enter relevant information. | A3 |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /CompanyInformation / ProductInformation /**PackageSizeInformation** | UserDefinedField3 | N | Up to three Subscriber-defined fields that allow related data to be collected for this package size record. Enter relevant information. | N |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /CompanyInformation / ProductInformation /**PackageSizeInformation** | DateLastVerified | N | Date when the Package Size information was last verified. If this field is left blank, the system defaults to the current date during product add or update. Format ISO 8601 (yyyyMMddTHHmmss) | 20110504 |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /CompanyInformation / ProductInformation /PackageSizeInformation / **PackageConfigurationInformation** |  @ActiveFlag | Y | Indicates whether the package configuration is active (the default) or inactive. Package configuration cannot be Active if the associated Package Size or Product is Inactive. Required. | Active, Inactive  |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /CompanyInformation / ProductInformation /PackageSizeInformation / **PackageConfigurationInformation** | PackageLevelCode | Y |  The package level description. Required. Select the appropriate package level description.The code associated with the level selected makes up part of the package configuration's GTIN. | 0 |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /CompanyInformation / ProductInformation /PackageSizeInformation / **PackageConfigurationInformation** | CompanyPrefixCode | Y | A variable number issued by either the GS1 or AgGateway. The Co. Prefix Code is an element of the industry product code that uniquely identifies the manufacturer or company within that code. | 0785740 |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /CompanyInformation / ProductInformation /PackageSizeInformation / **PackageConfigurationInformation** /CompanyPrefixCode |  @ActiveFlag | Y | Indicates whether the package configuration is active (the default) or inactive. Package configuration cannot be Active if the associated Package Size or Product is Inactive. Required. | Active, Inactive  |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /CompanyInformation / ProductInformation /PackageSizeInformation / **PackageConfigurationInformation** | CheckDigit | XML = Y | **Step One**: To find the Check Digit for the GTIN-14 ID Number 9101454121022. Set up a table with 14 columns, and put the number 9101454121022 into Positions One through Thirteen. Position Fourteen will be blank because it is reserved for the Check Digit. **Step Two**: Add the numbers in Positions One, Three, Five, Seven, Nine, Eleven, and Thirteen: (9 + 0 + 4 + 4 + 2 + 0 + 2 = 21).**Step Three:** Multiply the result of Step Two by three: (21 x 3 = 63).**Step Four:**  Add the numbers in Positions Two, Four, Six, Eight, Ten, and Twelve: (1 + 1 + 5 + 1 + 1 + 2 = 11).**Step Five:**  Add the results of Step Three and Step Four: (63 + 11 = 74).**Step Six**: The Check Digit is the smallest number needed to round the result of Step Five up to a multiple of 10. In this example, the Check Digit is 6. | **5, 1** |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /CompanyInformation / ProductInformation /PackageSizeInformation / **PackageConfigurationInformation** | GTIN | N | The Global Trade Identification Number, which is made up of the package level code, company prefix code, package size code, and check digit. This field is populated by AGIIS based on already required elements.  | 00785740147535 |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /CompanyInformation / ProductInformation /PackageSizeInformation / **PackageConfigurationInformation** | PackageUnitOfMeasureCode | Y | The product package unit of measure. Required. Select the appropriate unit of measure from either the ANSI X12 or UN Rec 20 list. | PC, BG |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /CompanyInformation / ProductInformation /PackageSizeInformation / **PackageConfigurationInformation** /PackageUnitOfMeasureCode |  @Domain | Y | If you select an ANSI X12 Unit of Measure, the system will automatically determine the corresponding UN Rec 20 Unit of Measure. If you select a UN Rec 20 Units of Measure, the system will automatically determine the corresponding ANSI X12 Units of Measure. | ANSI X12, UN REC 20  |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /CompanyInformation / ProductInformation /PackageSizeInformation / **PackageConfigurationInformation** | ReportingIdentifier | N | A company-specific code for identifying a product and its packaging. The manufacturer can choose what identifier they would like reported to them, such as the GTIN, ProductID, etc…  | UPC, GTIN |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /CompanyInformation / ProductInformation /PackageSizeInformation / **PackageConfigurationInformation** /BasePackageQuantity / Measurement | MeasurementValue | N | The quantity of the lowest saleable unit package. Distributors would like this to be a required field, if it is not a difficulty for the manufacturer. | 1, 140.0 |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /CompanyInformation / ProductInformation /PackageSizeInformation / **PackageConfigurationInformation** /BasePackageQuantity / Measurement | UnitofMeasureCode | N | Select the appropriate unit of measure from either the ANSI X12 or UN Rec 20 list. Distributors would like this to be a required field, if it is not a difficulty for the manufacturer. | PC, BG |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /CompanyInformation / ProductInformation /PackageSizeInformation / **PackageConfigurationInformation** /BasePackageQuantity / Measurement |  @Domain | N | If you select an ANSI X12 Unit of Measure, the system will automatically determine the corresponding UN Rec 20 Unit of Measure. If you select a UN Rec 20 Units of Measure, the system will automatically determine the corresponding ANSI X12 Units of Measure. Distributors would like this to be a required field, if it is not a difficulty for the manufacturer. | ANSI X12, UN REC 20  |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /CompanyInformation / ProductInformation /PackageSizeInformation / **PackageConfigurationInformation**  | PackageUnitOfMeasureCode | N | Select the appropriate unit of measure for the lowest saleable package from either the ANSI X12 or UN Rec 20 list. Distributors would like this to be a required field, if it is not a difficulty for the manufacturer. | PC, BG |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /CompanyInformation / ProductInformation /PackageSizeInformation / **PackageConfigurationInformation** /PackageUnitOfMeasureCode |  @Domain | N | If you select an ANSI X12 Unit of Measure, the system will automatically determine the corresponding UN Rec 20 Unit of Measure. If you select a UN Rec 20 Units of Measure, the system will automatically determine the corresponding ANSI X12 Units of Measure. Distributors would like this to be a required field, if it is not a difficulty for the manufacturer. | ANSI X12, UN REC 20  |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /CompanyInformation / ProductInformation /PackageSizeInformation / **PackageConfigurationInformation** /ChildPackagingQuantity / Measurement | MeasurmentValue | N | The quantity of the units of measure in the child product package. Distributors would like this to be a required field, if it is not a difficulty for the manufacturer. | 1 |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /CompanyInformation / ProductInformation /PackageSizeInformation / **PackageConfigurationInformation** /ChildPackagingQuantity / Measurement | UnitOfMeasureCode | N | Select the appropriate unit of measure for the next lowest product package from either the ANSI X12 or UN Rec 20 list. Distributors would like this to be a required field, if it is not a difficulty for the manufacturer. | PC, BG |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /CompanyInformation / ProductInformation /PackageSizeInformation / **PackageConfigurationInformation** /ChildPackagingQuantity / Measurement / UnitOfMeasureCode |  @Domain | N | If you select an ANSI X12 Unit of Measure, the system will automatically determine the corresponding UN Rec 20 Unit of Measure. If you select a UN Rec 20 Units of Measure, the system will automatically determine the corresponding ANSI X12 Units of Measure. Distributors would like this to be a required field, if it is not a difficulty for the manufacturer. | ANSI X12, UN REC 20  |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /CompanyInformation / ProductInformation /PackageSizeInformation / **PackageConfigurationInformation**  | CalculatedVolumeQuantity | N |  **The result of Package Size Base Quantity multiplied by the Base package Quantitny.** | 0, 140.0 |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /CompanyInformation / ProductInformation /PackageSizeInformation / **PackageConfigurationInformation**  | WeightGross  | N | Total weight of the formulation and the packaging. Distributors would like this to be a required field, if it is not a difficulty for the manufacturer. | 50 |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /CompanyInformation / ProductInformation /PackageSizeInformation / **PackageConfigurationInformation**  | WeightTare | N | The weight of the packaging for the product. Distributors would like this to be a required field, if it is not a difficulty for the manufacturer. |  |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /CompanyInformation / ProductInformation /PackageSizeInformation / **PackageConfigurationInformation**  | WeightNet  | N | The weight of the product in a product package, not including the weight of the package. Distributors would like this to be a required field, if it is not a difficulty for the manufacturer. |  |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /CompanyInformation / ProductInformation /PackageSizeInformation / **PackageConfigurationInformation**  | WeightUnitOfMeasureCode | N | This one field indicates the unit of measure for the Gross Weight, Tare Weight, and Net Weight. Select the appropriate unit of measure from either the ANSI X12 or UN Rec 20 list. Distributors would like this to be a required field, if it is not a difficulty for the manufacturer. | LB, LBR |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /CompanyInformation / ProductInformation /PackageSizeInformation / **PackageConfigurationInformation** / WeightUnitOfMeasureCode  |  @Domain | N | If you select an ANSI X12 Unit of Measure, the system will automatically determine the corresponding UN Rec 20 Unit of Measure. If you select a UN Rec 20 Units of Measure, the system will automatically determine the corresponding ANSI X12 Units of Measure. Distributors would like this to be a required field, if it is not a difficulty for the manufacturer. | ANSI X12, UN REC 20  |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /CompanyInformation / ProductInformation /PackageSizeInformation / **PackageConfigurationInformation**  | DimensionLength  | N | The largest horizontal dimension measured when the object is in an upright position. |  |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /CompanyInformation / ProductInformation /PackageSizeInformation / **PackageConfigurationInformation**  | DimensionWidth  | N | Shorter of the two horizontal dimensions of the object in an upright position. |  |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /CompanyInformation / ProductInformation /PackageSizeInformation / **PackageConfigurationInformation**  | DimensionHeight  | N | The vertical dimension measured when the object is in an upright position. |  |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /CompanyInformation / ProductInformation /PackageSizeInformation / **PackageConfigurationInformation**  | DimensionUnitOfMeasureCode  | N | This one field indicates the unit of measure for the Length, Width, and Height. Select the appropriate unit of measure from either the ANSI X12 or UN Rec 20 list. | INH  |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /CompanyInformation / ProductInformation /PackageSizeInformation / **PackageConfigurationInformation** / DimensionUnitOfMeasureCode  |  @Domain | N | If you select an ANSI X12 Unit of Measure, the system will automatically determine the corresponding UN Rec 20 Unit of Measure. If you select a UN Rec 20 Units of Measure, the system will automatically determine the corresponding ANSI X12 Units of Measure. | UN REC 20  |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /CompanyInformation / ProductInformation /PackageSizeInformation / **PackageConfigurationInformation** / SquareArea  | MeasurementValue | N | The total area of the product package. | 0.0 |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /CompanyInformation / ProductInformation /PackageSizeInformation / **PackageConfigurationInformation** / SquareArea | UnitOfMeasureCode | N | Select the appropriate unit of measure from either the ANSI X12 or UN Rec 20 list. | FOT |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /CompanyInformation / ProductInformation /PackageSizeInformation / **PackageConfigurationInformation** / PackageConfigurationInformation / SquareArea / UnitOfMeasureCode |  @Domain | N | If you select an ANSI X12 Unit of Measure, the system will automatically determine the corresponding UN Rec 20 Unit of Measure. If you select a UN Rec 20 Units of Measure, the system will automatically determine the corresponding ANSI X12 Units of Measure. | UN REC 20  |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /CompanyInformation / ProductInformation /PackageSizeInformation / **PackageConfigurationInformation** / CubicDimension  | MeasurementValue | N | Cubic dimension of a package. **Number** | 0.0 |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /CompanyInformation / ProductInformation /PackageSizeInformation / **PackageConfigurationInformation** / CubicDimension  | UnitOfMeasureCode | N | Select the appropriate unit of measure from either the ANSI X12 or UN Rec 20 list. | FOT |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /CompanyInformation / ProductInformation /PackageSizeInformation / **PackageConfigurationInformation** / CubicDimension / UnitOfMeasureCode |  @Domain | N | If you select an ANSI X12 Unit of Measure, the system will automatically determine the corresponding UN Rec 20 Unit of Measure. If you select a UN Rec 20 Units of Measure, the system will automatically determine the corresponding ANSI X12 Units of Measure. | UN REC 20  |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /CompanyInformation / ProductInformation /PackageSizeInformation / **PackageConfigurationInformation**  | StackingHeight  | N | The recommended maximum number of packages to be stacked during transportation or storage. | 0 |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /CompanyInformation / ProductInformation /PackageSizeInformation / **PackageConfigurationInformation**  | UserDefinedField1 | N | Up to three Subscriber-defined fields that allow related data to be collected for this package configuration record. Enter relevant information. |  |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /CompanyInformation / ProductInformation /PackageSizeInformation / **PackageConfigurationInformation**  | UserDefinedField2 | N | Up to three Subscriber-defined fields that allow related data to be collected for this package configuration record. Enter relevant information. | 1 |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /CompanyInformation / ProductInformation /PackageSizeInformation / **PackageConfigurationInformation**  | UserDefinedField3 | N | Up to three Subscriber-defined fields that allow related data to be collected for this package configuration record. Enter relevant information. |  |
| AGIISProductUpdate / Body / AGIISProductUpdateDetails /CompanyInformation / ProductInformation /PackageSizeInformation / **PackageConfigurationInformation**  | DateLastVerified  | N | Date when the Package Configuration information was last verified. If this field is left blank, the system defaults to the current date during product add or update. Format ISO 8601 (yyyyMMddTHHmmss) | 20110504 |

**Package Size Name**

|  |  |
| --- | --- |
| **Company** | **Package Size Name Description**  |
| Syngenta  | Seed Size + Package Type |
| Monsanto  | Variety + Trait + Package Type + Treatment (if applicable) |
| Dow | Corn: Variety + Seed size + Trait (if applicable) + Crop + Treatment (if applicable)Other Crops: Variety + Trait + Crop +Treatment (if applicable) + Package Type |

**Weight**

|  |  |  |
| --- | --- | --- |
| **Company** | **Crop** | **Value**  |
| Syngenta  | Soybean | 140KS – 140 thousand seed |
| Syngenta | Soybean  | 5.6MS |
| Syngenta | Soybean  | 7MS |
| Monsanto  | Alfalfa | 50 Lb units/ 66 units per pallet |
| Monsanto  | Spring Canola | 50 Lb units/ 66 units per pallet |
| Monsanto  | Spring Canola  | 1000 Lb per mini bulk |
| Monsanto  | Winter Canola | 50 Lb units/ 60 units per pallet |
| Monsanto  | SeedPak45 | 50 Lb units/ 45 units per SeedPak45 |
| Monsanto  | Pima/Acala Cotton | 50 Lb units/ 50 units per pallet |
| Monsanto | Sorghum | 50 Lb units/66 units per pallet |
| Monsanto | SeedPak50 | 50 Lb units/50 units per SeedPak50 |

**Seed Count**

|  |  |  |
| --- | --- | --- |
| **Company** | **Crop** | **Value**  |
| DOW | Corn  | 80,000 |
| DOW | Corn (Super Boxes) | 50x80,000 |
| DOW | Soybeans mini-Bulk | 140,000 per unit/40 units per mini-bulk |
| DOW | Soybeans Bag | 140,000 per unit |
| DOW  | Sunflowers (Sizes 2&3) | 200,000 per unit |
| DOW | Sunflowers (Sizes 2&3) | 200,000 per unit/40 units per Super Box |
| DOW | Sunflowers (Size 4) | 225,000 per unit |
| DOW | Sunflowers (Size 4) | 225,000 per unit/40 units per Super Box  |
| Monsanto  | Corn  | 80,000 kernel units/Pallet quantities vary by Seed size |
| Monsanto  | Corn - SeedPak50(not offered in all seed sizes) | 80,000 kernel units/50 per SeedPak50 |
| Monsanto  | Corn - SeedPak45(not offered in all seed sizes)  |  80,000 kernel units/45 per SeedPak45 |
| Monsanto  | Soybean - RR2 Bulk Soybeans |  140,000 Seeds per unit/60 units per pallet |
| Monsanto  | Soybean - Mini-bulk | 140,000 seeds per unit/40 units per mini-bulk |
| Monsanto  | Soybean - Bulk on demand | increments of 1000 standard units |
| Monsanto  | DP Cotton Varieties | 250,000 Seed/38 units per Boll Box |

**Relative Maturity Group**

|  |  |  |  |
| --- | --- | --- | --- |
| **Company** | **Crop** | **Maturity Values** | **Description**  |
| DOW | Soybean | 00,0,1,2,3,4,5 |  |
| Monsanto  | Corn  | 80 - 120  | Days |
| Monsanto  | Soybean | 1. 7.8
 |  |
| Monsanto  | Cotton  | VE  | Very Early  |
| Monsanto  | Cotton  | E | Early  |
| Monsanto  | Cotton  | E-M | Mid-Early  |
| Monsanto  | Cotton  | M | Mid  |
| Monsanto  | Cotton  | M-F | Mid-Full  |
| Monsanto  | Cotton  | F | Full  |
| Monsanto  | Sorghum  | VE  | Very Early  |
| Monsanto  | Sorghum  | E | Early  |
| Monsanto  | Sorghum  | E-M | Mid-Early  |
| Monsanto  | Sorghum  | M | Mid  |
| Monsanto  | Sorghum  | M-F | Mid-Full  |
| Monsanto  | Sorghum  | F | Full  |
| Monsanto  | Canola | 87 - 94 |  |
| Monsanto  | Alfalfa | 3.3 – 5 |  |
| Syngenta | Corn  | 72 - 124 | Days |
| Syngenta  | Soybean  | .03 - 7.9 |  |

**Seed Size Codes**

|  |  |  |
| --- | --- | --- |
| **Company** | **Size** | **Description** |
| DOW | F1 | Flat 1 |
| DOW | F2 | Flat 2 |
| DOW | R1 | Round 1 |
| DOW  | R2 | Round 2 |
| DOW (sunflowers) | 2 |  |
| DOW (sunflowers) | 3 |  |
| DOW (sunflowers) | 4 |  |
|  |  |  |
| Syngenta | S9 | Small |
| Syngenta | F1 | Medium Flat 1 |
| Syngenta | F2 | Medium Flat 2 |
| Syngenta | R1 | Medium Round 1 |
| Syngenta | R2 | Medium Round 2 |
| Syngenta | L7 | Large |
| Monsanto | AR | Accu Round |
| Monsanto | AR2 | Accu Round - Large |
| Monsanto | AF | Accu Flat |
| Monsanto | AF2 | Accu Flat - Large |
| Monsanto | P22 | Small Plateless |
| Monsanto | P26 | Large Plateless |

**Trait Codes**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Company** | **Ext. Trait Code** | **Trait Description** | **Crop Types used** | **Reportable** |
| Monsanto  | CONV | Conventional - no traits | All crops |  |
| Monsanto  | GENRR2Y | Genuity roundup Ready to Yield | Soybeans |  |
| Monsanto  | GENSS | Genuity Smart Stax | Corn |  |
| Monsanto  | GENVT2P | Genuity  | Corn |  |
| Monsanto  | GENVT3P | Genuity  | Corn |  |
| Monsanto  | RR | Roundup ready | All crops |  |
| Monsanto  | RR(Winter) | Roundup ready - winter  | Canola |  |
| Monsanto  | RR/LL | Roundup Ready LL | Soybeans |  |
| Monsanto  | RR/VI | Roundup Ready Vistive | Soybeans |  |
| Monsanto  | RR/YGCB | Roundup Ready & Yield Guard Corn Borer | Corn |  |
| Monsanto  | RR2 | Roundup ready 2 | Corn |  |
| Monsanto  | VT3 | VT3 80, 20 | Corn |  |
| Monsanto  | VTRR2 | YGRW-RR2 WAXY |  Corn |  |
| Monsanto  | WAXY-CONV | WAXY |  Corn |  |
| Monsanto  | WAXY-RR2 | ROUNDUP READY 2, WAXY |  Corn |  |
| Monsanto  | WAXY-VT3 | YIELDGARD VT TRIPLE, WAXY |  Corn |  |
| Monsanto  | WHITE-CONV | WHITE - Conventional |  Corn |  |
| Monsanto  | YGCB | YIELDGARD Corn Borer |  Corn |  |
| Monsanto  | YGCB/HL | YIELDGARD CORN BORER / HIGH LYSINE |  Corn |  |
| Monsanto  | YGCB/HO | YIELDGARD CORN BORER / HIGH OIL (RENESSEN) |  Corn |  |
| Monsanto  | YGCB/RR2 | YIELDGARD CORN BORER / ROUNDUP READY 2 |  Corn |  |
| Monsanto  | YGPL | YIELDGUARD PLUS |  Corn |  |
| Monsanto  | YGPL/RR2 | ROUNDUP READY 2 /  YIELDGARD CORN BORER /  YIELDGARD ROOTWORM |  Corn |  |
| Monsanto  | YGRW | YIELDGARD Root Worm |  Corn |  |
| Monsanto  | YGRW/RR2 | ROUNDUP READY /  YIELDGARD ROOT WORM |  Corn |  |
| Monsanto  | GENB2RRF | GENUITY BOLLGARD II WITH ROUNDUP READY FLEX | Cotton |  |
| Monsanto  | GENRRF | GENUITY ROUNDUP READY FLEX | Cotton |  |
| Syngenta | A-3000GT | Agrisure 3000GT | Corn  | Yes |
| Syngenta | A-3122 | Agrisure 3122  | Corn  | Yes |
| Syngenta | AA-4011 | Agrisure Artesian 4011 | Corn  | Yes |
| Syngenta | AA-4111 | Agrisure Artesian 4111 | Corn  | Yes |
| Syngenta | AA-GT | Agrisure Artesian GT | Corn  | Yes |
| Syngenta | A-CB/LL | Agrisure CB/LL | Corn  | Yes |
| Syngenta | A-GT | Agrisure GT | Corn  | Yes |
| Syngenta | A-GT/CB/LL | Agrisure GT/CB/LL | Corn  | Yes |
| Syngenta | AV-3110 | Agrisure Viptera 3110 | Corn  | Yes |
| Syngenta | AV-3111 | Agrisure Viptera 3111 | Corn  | Yes |
| Syngenta | AV-3220 | Agrisure Viptera 3220 | Corn  | Yes |
| Syngenta | AMS | Aphid Management System | Soybean |  |
| Syngenta | NK-AMS/RR2Y | Genuity Roundup RR2Yield AMS | Soybean |  |
| Syngenta | NK-AMS/RR  | Roundup Ready AMS | Soybean |  |
| DOW | HX | HERCULEX® I | Corn  |  |
| DOW | HXRW | HERCULEX® Rootworm | Corn  |  |
| DOW | HXXT | HERCULEX® XTRA | Corn  |  |
| DOW  | WS | Widestrike | Cotton  |  |
| Bayer  | LL | LibertyLink |   |  |
| Bayer  | GT | GlyTol  |   |  |
| Bayer  | GL | Glytol + LibertyLink |   |  |
| Bayer  | GLT | GlyTol+LibertyLink + TwinLink |   |  |

**Treatment Codes**

|  |  |  |
| --- | --- | --- |
| **Company** | **Code** | **Description** |
| Syngenta | CDM | CRUISERMAXX |
| Syngenta | CHR | CRUISER EXTREME 1250 |
| Syngenta | CLR | CRUISER EXTREME 250 |
| Syngenta  | CMR | CRUISER EXTREME 500 |
| Syngenta  | CMX | CRUISERMAXX |
| Syngenta  | A50 | AVICTA 500 |
| Syngenta  | DIV | DIVIDEND EXTREME |
| Syngenta  | DIV | DIVIDEND EXTREME |
| Syngenta  | CVL | CRUISER EXTREME .125 |
| Syngenta  | D/L | DIVIDEND EXTREME/LORSBAN |
| Syngenta  | LOR | LORSBAN |
| Syngenta  | CMX | CRUISERMAXX |
| Syngenta  | CT2 | CRUISERMAXX/TACH20 |
| Syngenta  | CT4 | CRUISERMAXX/TACH45 |
| Syngenta  | A25 | AVICTA 250 |
| Syngenta  | CD4 | CRUISER MAXX 4 X DYNASTY |
| Syngenta  | UNT | UNTREATED |

**XML Example:**

