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U.S. Department of Agriculture  
Animal and Plant Health Inspection Service (APHIS)

**ePermits**  
**BRS: Reports and Notices**  
**Data Tables for XML Uploading**

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Version 1.5

October 1, 2017

## Revision History

Date	Version	Description	Author
11/30/2010	1.0	Initial document containing all three report types	Ariane Feaster
12/10/2010	1.1	<ul style="list-style-type: none"> <li>- Changed description and format columns for ApplicationID fields, on request from BRS</li> <li>- took out spaces from data element names, so they exactly match what should be entered in the xml document that gets uploaded</li> <li>- adjusted description column for the 3 required fields of the FTD report, so that they describe what is to be populated there</li> </ul>	Ariane Feaster
1/5/2011	1.2	Modified cover page	Ariane Feaster
1/13/2011	1.3	XML files for planting reports do NOT need to have all previously submitted plantings included. On the VM report, you can have both monitorings and no-monitoring comments in the same location at the same time	Ariane Feaster
4/14/2017	1.4	Phenotypic Designation (Constructs) are now required in order to save/submit a planting report	Adrienne Newman
10/1/2017	1.5	Accept change from Linda Pardoe	Adrienne Newman

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# Planting Reports

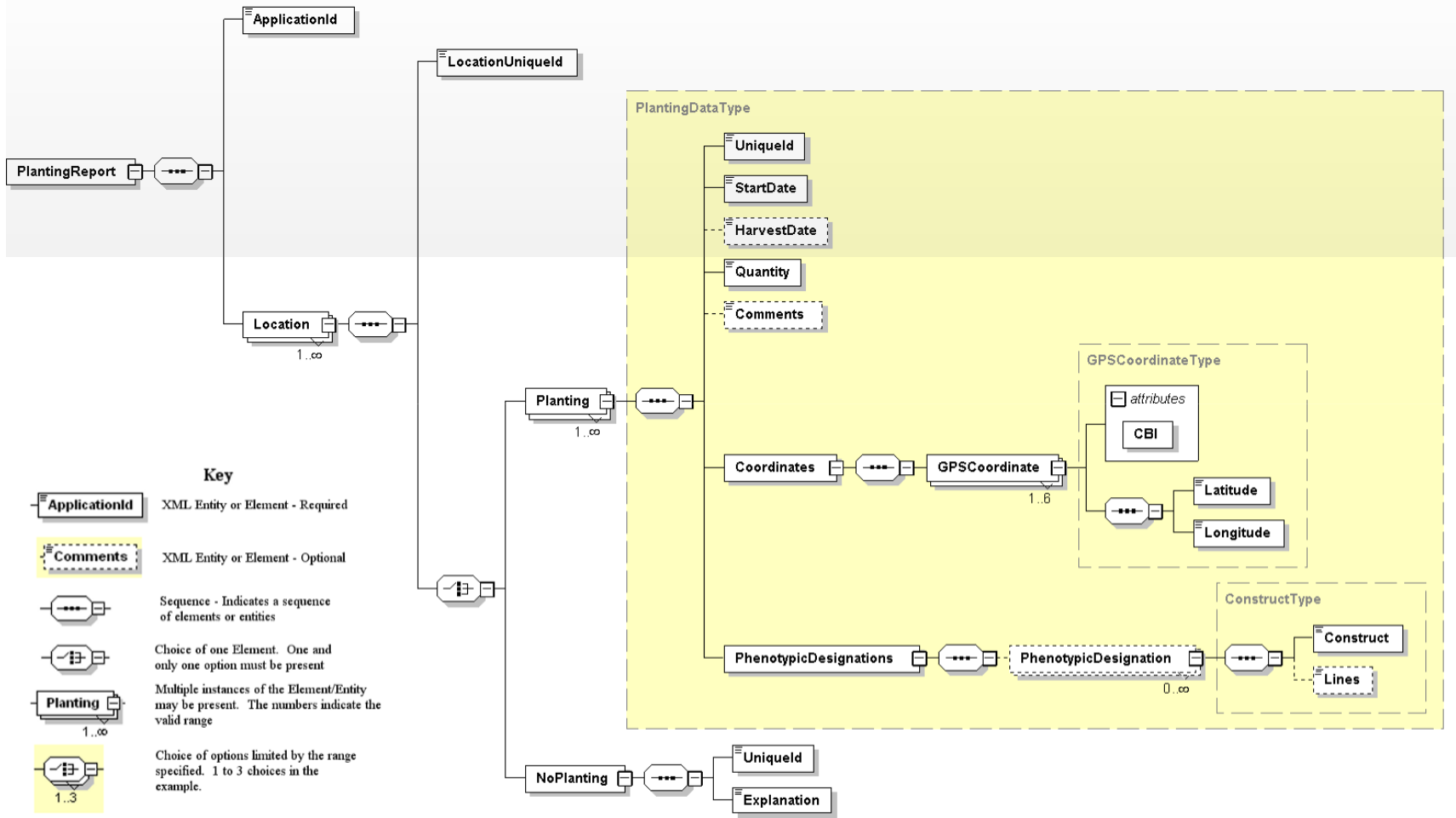


Figure 1 - Planting Report XSD Diagram

**Notes: Fields in the Planting Report XML Submission may be declared CBI by surrounding the data in []. This is true of all fields unless otherwise noted.**

### **Entity: Planting Report**

**Definition:** The information submitted as a Planting Report. Planting Reports are cumulative, but each successive planting report submitted is free to include new plantings only; you do not need to include previously submitted plantings. If you need to edit a planting that was already submitted, you must include the entire planting record, not just the edited fields. The planting unique ID is used to identify any previously submitted plantings.

No.	Data Element	Required?	Description	Format	Field Length	Comments
1	ApplicationId	Required	APHIS-BRS permit or notification number.	For example, 10-353-104rm	50	May not be CBI.
2	Location	Required <sup>1</sup>	Locations associated with the permit	Entity		

### **Entity: Location**

**Definition:** The Location entity contains the plantings or no planting notices for a particular location.

**Relationship:** The Planting Report may have 1 or more Locations.

No.	Data Element	Required?	Description	Format	Field Length	Comments
1	LocationUniqueId	Required	Unique ID for the release site	Letters, Numbers, and Dashes (-)	50 <sup>2</sup>	Must match a Release Site on the Permit/Notification this Planting Report is tied to. Must be unique to the Report.
2	Planting	Required <sup>3</sup>	Planting for a given location	Entity		
3	NoPlanting	Required <sup>4</sup>	No Planting notice	Entity		

<sup>1</sup> At least one of Planting or No Planting is required

<sup>2</sup> 50 Character limit + 2 characters for CBI Bracketing

<sup>3</sup> At least one of Planting or No Planting is required

<sup>4</sup> At least one of No Planting or Planting is required

**Entity: Planting**

**Definition:** The data related to an individual planting at a single location. Data may be updated on subsequent reports and the Unique ID field is used to synchronize Plantings between submitted reports.

**Relationship:** The Location may have 1 or more Plantings or 1 No Planting Comment

No.	Data Element	Required?	Description	Format	Field Length	Comments
1	UniqueId	Required	Unique ID for this planting	Letters, Numbers, and Dashes (-)	50 <sup>5</sup>	Must be unique for the Planting Report. When updating a planting found on a previous planting report this ID should match that planting record. It is primarily used to update information on previously submitted Planting Reports
2	StartDate	Required	Date items were planted	YYYY-MM-DD		Date fields may not be CBI.
3	HarvestDate	Optional	Anticipated Harvest Date	YYYY-MM-DD		Date fields may not be CBI.
4	Quantity	Required	Quantity planted in units of Acres	Number	50 <sup>6</sup>	Examples: 0.5, [1.2]
5	Comments	Optional	Comments to go with this planting	Text	4,000	
6	Coordinates	Required	GPS Coordinates	Entity		
7	PhenotypicDesignations	Required	Constructs for this Planting	Entity		Optional at the initial submission, but is required when the annual or final field test data report is submitted.

<sup>5</sup> 50 Character limit + 2 characters for CBI Bracketing

<sup>6</sup> 50 Character limit + 2 for CBI Bracketing

**Entity: Coordinates**

**Definition:** Collections of GPS Coordinates

**Relationship:** A Planting shall have a Coordinates entity

**Constraint:** Required

**Attributes:**

- CBI – A value of true indicates that the GPS Coordinate pair is to be considered CBI, required. Should be the same for all pairs.

No.	Data Element	Required?	Description	Format	Field Length	Comments
1	GPSCoordinate	At least 1, with a maximum of 6	Entity for GPS Coordinates	Entity		

**Entity: Phenotypic Designations**

**Definition:** Collection of Phenotypic Designations for the planting

**Relationship:** A Planting shall optionally have a Phenotypic Designations entity<sup>7</sup>

No.	Data Element	Required?	Description	Format	Field Length	Comments
1	PhenotypicDesignation	Required	Entity for Phenotypic Designations	Entity		

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<sup>7</sup> Phenotypic Designations are required for all plantings by the time the Annual or Final Field Test Data report is submitted

**Entity: GPS Coordinate****Definition:** GPS Coordinate pair**Relationship:** A Coordinates entity shall have 1 to 6 GPS Coordinates**Constraint:** At least one required

No.	Data Element	Required?	Description	Format	Field Length	Comments
1	Latitude	Required	Latitude	Number between -90.0 and 90.0	10	Ex: 20.632449
2	Longitude	Required	Longitude	Number between -180.0 and 180.0	10	Ex: -156.493574

**Entity: Phenotypic Designation****Definition:** The Phenotypic Designation of the articles being planted**Relationship:** Phenotypic Designations shall contain Phenotypic Designation entities

No.	Data Element	Required?	Description	Format	Field Length	Comments
1	Construct	Required	Construct	Text	64 <sup>8</sup>	Must match what is entered on the Permit. Verified after upload
2	Lines	Optional	Lines or Events	Text	8,000	

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<sup>8</sup> Includes any CBI bracketing



**Entity: No Planting**

**Definition:** The No Planting entity contains the comment required when no planting occurs at a particular location.

**Relationship:** A planting report may have one or more plantings or no plantings. If a no planting comment is applied to particular location then no other plantings or no planting comments may be associated with that location.

No.	Data Element	Required?	Description	Format	Field Length	Comments
1	UniqueId	Required	Unique ID for this planting	Letters, Numbers, and Dashes (-)	50 <sup>9</sup>	Must be unique for the Planting Report. When updating a no-planting found on a previous planting report this ID should match that no-planting record. It is primarily used to update information on previously submitted Planting Reports
1	Explanation	Required	Explanation for why no planting was done	Text	4,000	

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<sup>9</sup> 50 Character limit + 2 characters for CBI Bracketing

# Volunteer Monitoring Reports

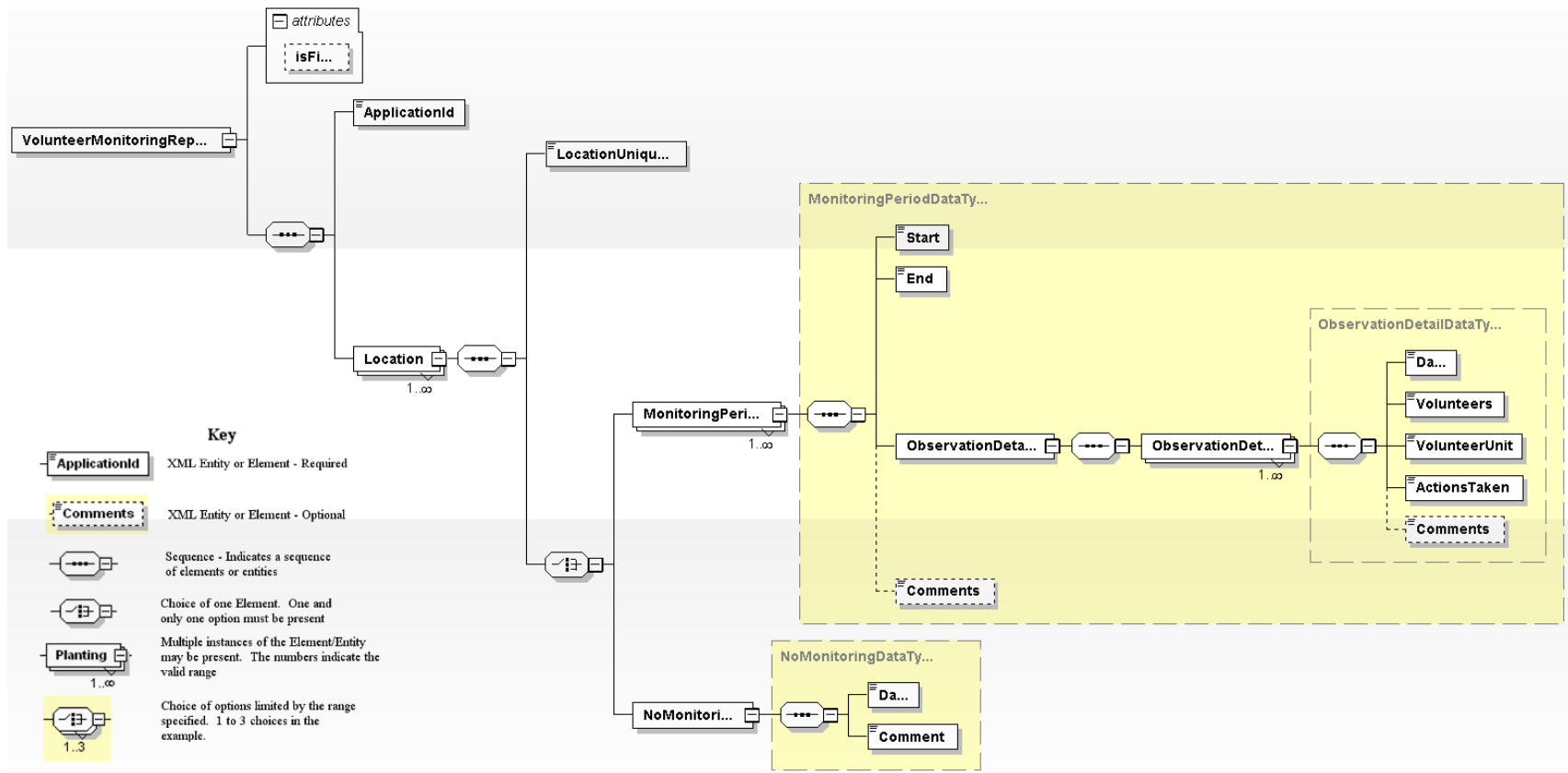


Figure 2 - XSD Diagram

Notes: Fields in the Volunteer Monitoring Report XML Submission may be declared CBI by surrounding the data in [ ]. This is true of all fields unless otherwise noted.

**Entity: Volunteer Monitoring Report**

**Definition:** The information submitted as part of a Volunteer Monitoring Report. The Volunteer Monitoring Report is cumulative from report to report, however, each XML submission should only include the new information to be added. Volunteer Monitoring Reports cannot be edited via XML upload. If any changes are desired of previously submitted Monitoring Reports those should be done in the on-line system. There must be at least one Location for a Volunteer Monitoring Report.

**Attributes:**

- isFinal – Boolean value to indicate that this is the final Volunteer Monitoring report, optional, assumed false when not present.

No.	Data Element	Required?	Description	Format	Field Length	Comments
1	ApplicationId	Required	APHS-BRS permit or notification number	For example, 10-353-104rm	50	May not be CBI.
2	Location	Required	Locations associated with the permit	Entity		

### Entity: Location

**Definition:** The Location entity contains the monitoring(s) or no monitoring comment for a particular location.

**Relationship:** The Volunteer Monitoring Report may have 1 or more Locations.

No.	Data Element	Required?	Description	Format	Field Length	Comments
1	LocationUniqueId	Required	Unique ID for the release site	Letters, Numbers, and Dashes (-)	50 <sup>10</sup>	Must match a Release Site on the Permit/Notification this Monitoring Report is tied to.
2	MonitoringPeriod	Required <sup>11</sup>	Monitoring Period for the location	Entity		
3	NoMonitoring	Required <sup>12</sup>	No Monitoring occurred comment	Entity		

### Entity: No Monitoring Comment

**Definition:** The data related a No Monitoring Occurred Comment

**Relationship:** A Location may have both No Monitoring Comments and Monitoring Periods at the same time.

No.	Data Element	Required?	Description	Format	Field Length	Comments
1	Date	Required	Date of the comment	YYYY-MM-DD		Date fields may not be CBI.
2	Comment	Required	Comment about why no monitoring was performed	Text	4,000	

<sup>10</sup> 50 Character limit + 2 characters for CBI Bracketing

<sup>11</sup> At least one of Monitoring Period or No Monitoring is required

<sup>12</sup> At least one of No Monitoring or Monitoring Period is required

**Entity: Monitoring Period**

**Definition:** The data related to specific monitoring period. Each monitoring period is tied to a specific release Location from the Permit/Notification. There must be at least one Monitoring period or No-Monitoring comment for each location by the time the final monitoring report is submitted.

**Relationship:** A Location may have both No Monitoring Comments and Monitoring Periods at the same time.

No.	Data Element	Required?	Description	Format	Field Length	Comments
1	Start	Required	Start date of monitoring period	YYYY-MM-DD		Date fields may not be CBI.
2	End	Required	End date of monitoring period	YYYY-MM-DD		Date fields may not be CBI.
3	ObservationDetails	Required	Collection of Observations	Entity		
4	Comments	Optional	Comments to go with this monitoring period	Text	4,000	

**Entity: Observation Details****Definition:** Collection of Observations**Relationship:** A Monitoring Period shall have a collection of Observation Details

No.	Data Element	Required?	Description	Format	Field Length	Comments
1	ObservationDetail	Required	Observation Detail Entity	Entity		The collection may have 1 or more observation detail entities

**Entity: Observation Detail****Definition:** Details of an individual observation**Relationship:** A Monitoring Period shall have 1 or more Observation Details

No.	Data Element	Required?	Description	Format	Field Length	Comments
1	Date	Required	Date of observation	YYYY-MM-DD		Date fields cannot be CBI. This date must fall between the start and end dates of the monitoring period.
2	Volunteers	Required	Number of Volunteers present	Number	12	
3	VolunteerUnit	Required	Units of measure for Volunteers. One of: <ul style="list-style-type: none"> <li>• per field</li> <li>• per 1 sq. ft.</li> <li>• per 10 sq. ft.</li> <li>• per 100 sq. ft.</li> <li>• per 1000 sq. ft.</li> <li>• per acre</li> </ul>	Enumeration		Must be one of the enumerated types. These cannot be CBI.
4	ActionsTaken	Required	Action Taken	Text	4,000	
5	Comments	Optional	Comments for this Observation	Text	4,000	

# Field Test Reports

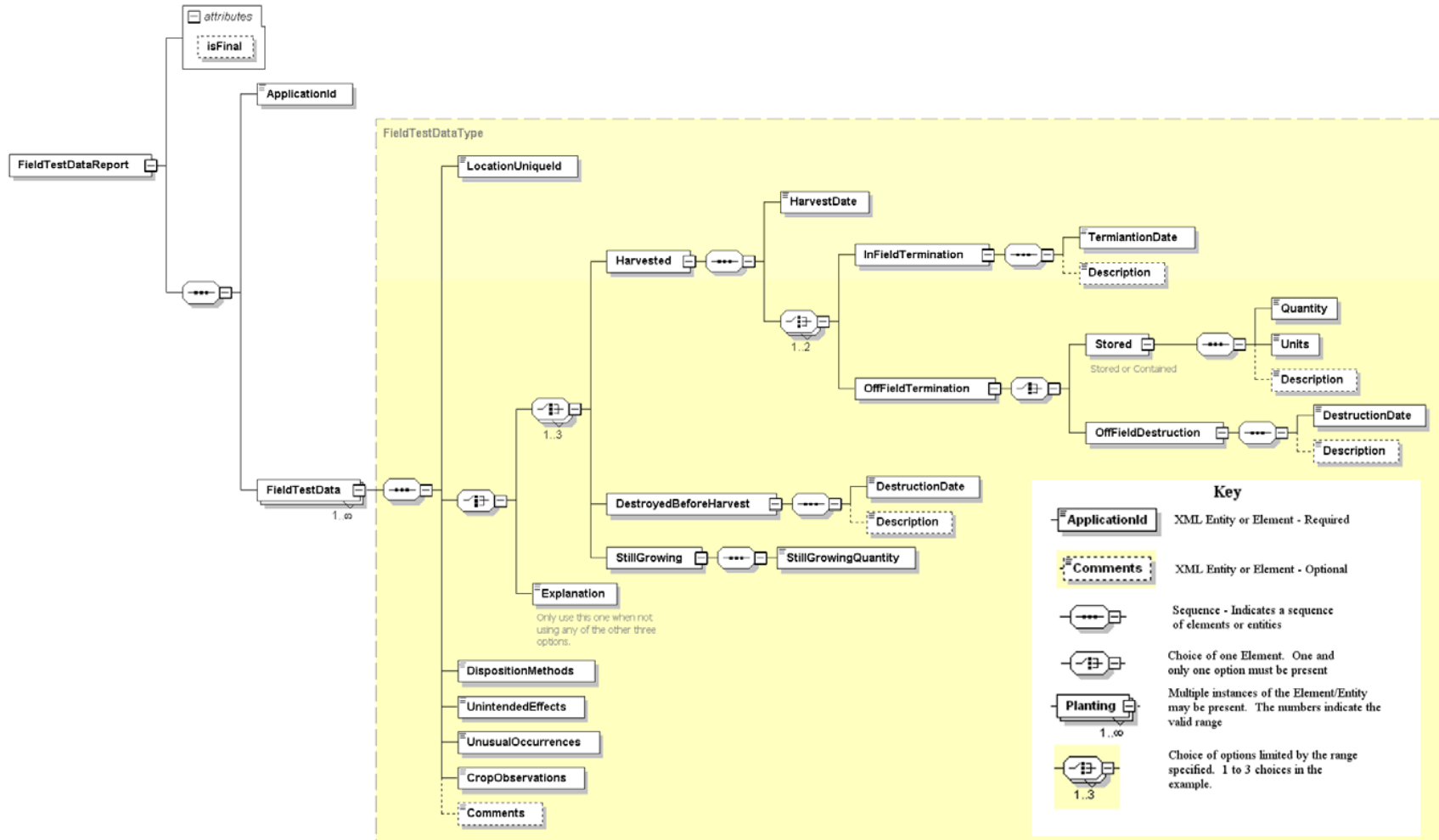


Figure 3 – Field Test Data Report XSD Diagram

Notes: Fields in the Field Test Data Report XML Submission may be declared CBI by surrounding the data in []. This is true of all fields unless otherwise noted.

**Entity: Field Test Data Report**

**Definition:** The information submitted as a Field Test Data Report. Field test reports are submitted annually (for multi-year permits) and then once at the end of the period as the Final field test data report. Some validation rules are not enforced in the XSD due to their dependency on data in the system.

**Attributes:**

- isFinal – Indicates whether this is the Final Field Test data report, required, values are True/False

No.	Data Element	Required?	Description	Format	Field Length	Comments
1	ApplicationId	Required	APHIS-BRS permit or notification number	For example, 10-353-104rm	50	May not be CBI.
2	FieldTestData	Required	Field Test Data for a given location	Entity		At least one required. May only be submitted for locations that have planting reports submitted



## Entity: Field Test Data

**Definition:** Field Test Data is a set of questions about the status of plantings made at the location listed.

**Relationship:** The Field Test Data report may have 1 or more Field Test Data entities.

Notes: Elements 6, 7, and 8 below will be renamed in a future release, so that they better describe the data being requested.

No.	Data Element	Required?	Description	Format	Field Length	Comments
1	LocationUniqueId	Required	Unique ID for the release site	Letters, Numbers, and Dashes (-)	50 <sup>13</sup>	Must match a Release Site on the Permit/Notification this Field Test Data Report is tied to.
2	Harvested	Required <sup>14</sup>	Used when article was harvested. May be combined with Destroyed and Still Growing	Entity		
3	DestroyedBeforeHarvest	Required <sup>15</sup>	Used when article was destroyed before harvest. May be combined with Harvested and Still Growing	Entity		
4	StillGrowing	Required <sup>16</sup>	Used when article is still growing. May be combined with Harvested and Destroyed	Entity		
5	Explanation	Required <sup>17</sup>	Explanation for why this location was not planted. Used when none of Harvested, DestroyedBeforeHarvest, or Still Growing are used.	Text	4,000	Only used when Harvested, Destroyed Before Harvest, and Still Growing are not present.
6	DispositionMethods	Required	Reported accidental/unauthorized releases, substantially different characteristics or unusual occurrences	Text	4,000	
7	UnintendedEffects	Required	Notes about any deleterious effects on plants, non-target organisms, or the environment	Text	4,000	
8	UnusualOccurrences	Required	Methods of observation and data analyses	Text	4,000	
9	CropObservations	Required	Any other crop observations	Text	4,000	
10	Comments	Optional	Any additional comments	Text	4,000	

<sup>13</sup> 50 Character limit + 2 characters for CBI Bracketing

<sup>14</sup> One or more of Harvested, Destroyed Before Harvest, Still Growing required

<sup>15</sup> One or more of Harvested, Destroyed Before Harvest, Still Growing required

<sup>16</sup> One or more of Harvested, Destroyed Before Harvest, Still Growing required

<sup>17</sup> Explanation may only be selected when there are no Harvested, Destroyed, or Still Growing entities.

**Entity: Harvested****Definition:** Information about harvested articles**Relationship:** A Field Test Data report shall have one or more Harvested, Destroyed Before Harvest, Still Growing unless Explanation is populated.

No.	Data Element	Required?	Description	Format	Field Length	Comments
1	HarvestDate	Required	Date article was harvested	YYYY-MM-DD		Date fields may not be CBI
2	InFieldTermination	Required <sup>18</sup>	Article was Terminated in the field	Entity		
3	OffFieldTermination	Required <sup>19</sup>	Article was Terminated off the field	Entity		

**Entity: In Field Termination****Definition:** Information about articles terminated in field**Relationship:** Harvested must have one of In Field Termination or Off Field Termination or both.

No.	Data Element	Required?	Description	Format	Field Length	Comments
1	Termination Date	Required	Date article was terminated	YYYY-MM-DD		Date field may not be CBI
2	Description	Required	Description of termination methods	Text	4,000	

<sup>18</sup> One or both of In Field Termination or Off Field Termination must be present.<sup>19</sup> One or both of In Field Termination or Off Field Termination must be present.

**Entity: Off Field Termination****Definition:** Information about articles terminated off the field**Relationship:** Harvested must have one of In Field Termination or Off Field Termination or both.

No.	Data Element	Required?	Description	Format	Field Length	Comments
1	Stored	Required <sup>20</sup>	Stored or Contained	Entity		
2	OffFieldDestruction	Required <sup>21</sup>	Destroyed	Entity		

**Entity: Stored****Definition:** Information about article that was stored**Relationship:** Off Field Termination must have either a Stored or Off Field Destruction entity, but not both

No.	Data Element	Required?	Description	Format	Field Length	Comments
1	Quantity	Required	Quantity of article stored	Number	50	
2	Units	Required	Units of measure for the quantity field	Enumeration: <ul style="list-style-type: none"> <li>• pounds</li> <li>• acres</li> </ul>		May not be CBI.
3	Description	Required	Description of storage	Text	4,000	

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<sup>20</sup> Either Stored or Off Field Destruction must be selected

<sup>21</sup> Either Stored or Off Field Destruction must be selected

**Entity: Off Field Destruction****Definition:** Information about Off Field Destruction**Relationship:** Off Field Termination must have either a Stored or Off Field Destruction entity, but not both.

No.	Data Element	Required?	Description	Format	Field Length	Comments
1	DestructionDate	Required	Destruction Date	MMMM-MM-DD		May not be CBI
2	Description	Required	Description of off field destruction	Text	4,000	

**Entity: Destroyed Before Harvest****Definition:** Article was destroyed before harvest**Relationship:** A Field Test Data report shall have one or more Harvested, Destroyed Before Harvest, Still Growing unless Explanation is populated.

No.	Data Element	Required?	Description	Format	Field Length	Comments
1	DestructionDate	Required	Date of destruction	YYYY-MM-DD		May not be CBI
2	Description	Required	Description of storage	Text	4,000	

**Entity: Still Growing**

**Definition:** Article is still growing at the time of report.

**Relationship:** A Field Test Data report shall have one or more Harvested, Destroyed before Harvest, Still Growing unless Explanation is populated

No.	Data Element	Required?	Description	Format	Field Length	Comments
1	StillGrowingQuantity	Required	Quantity of article still growing, in acres	Number	50	
2	StillGrowingDescription	Required	Description of article still growing	Text	4,000	