Contents

Example

Task Details
Request name: TaskDetails

Data description: This request will return XML of one or more Tasks and the many records that may be associated with a task. Tasks represent all activities in farmsoft. The Task is essentially the Parent record, with all other records child records of the Task.

Users API filters:

- Task.Est_Start: Pass an estimated task start date. Format used should be MM/DD/YY. Required.
- Task.Est_Finish: Pass a estimated task finish date. Format used should be MM/DD/YY. Required.
- Site: Pass a Site name, which will fitler tasks by Site. If NULL then a wildcard is used.

Permanent filters

- Only return tasks where Task.SiteID has Site.OwnerCompanyID that belongs to Company.ID

Data returned:

It says Task table below, but when we return FK's , we usually return the actual DATA not the FK from another table. Such fields are highlighted in grey. All dates must be MM/DD/YY. All date/time are MM/DD/YY HH:MM AM

Example API Call

```
<script type="text/javascript"
src="http://ajax.googleapis.com/ajax/libs/jquery/1.8.3/jquery.min.js"></script>
<script type="text/javascript"
src="http://ajax.cdnjs.com/ajax/libs/json2/20110223/json2.js"></script>
<script type="text/javascript">
   $(function () {
      $(document).ready(function () {
         var parameterData = {
            Est_Start: "01/01/10",
            Est_Finish: "12/27/18",
            Site: 'Test Site',
         };
         $.ajax({
            cache: false,
            type: 'GET',
            url: "https://app.producepak.com/odata/TaskDetails",
            data: parameterData,
            headers: {
               'Authorization': 'Bearer INSERT YOUR API KEY HERE!',
            },
         })
            .done(function (data) {

                                                $("#dvTaskArea")[0].innerHTML = data.value;
                                                $(data.value).find('Task').each(function ()
               {
                  var taskid = $(this).find('TaskInternalID').text();
                  var nm = $(this).find("Name").text();
                  $('#tasks').append('<tr><td>' + taskid + '</td><td>' + nm + '</td></tr>');
               }
               )
            })
            .fail(function (error) {

         }).complete(function (xhr) {

         });
      });
   });
</script>
<textarea id='dvTaskArea' rows="40" cols="150"></textarea>
```

Response:

1. You will get xml data in response
2. You may get "API key is not valid" (wrong key)

3. You may get "No data found using those filters" (change your filters, or you have no data)

GET

Company

No parameters. Returns all companies that are owned by your company.

Field Name	*Type/Man*	*Details*
Company Name	Varchar 70, Man	name of company, mandatory
Notes	Memo	
Phone	varchar 30	company phone number
Fax	varchar 30	company fax number
Company Contact	varchar 40	name of person who is contact person at this company
Contact Email	varchar 40	email address of company contact
Company URL	varchar 40	URL of company
Subsidiary Of	text, shows Company.Namve via Company.SubsidiaryOf (Parent company name) (Be aware this shows the **Company.Name, NOT the Company.ID**)	
CountryID	FK from Country. Mandatory!	
CompanyUDF1-10	User defined data for selected company. This works for UDF 1 – 10	

Employee

No parameters. Returns all Employees that are owned by your company.

Field Name	*Type/Man*	*Details*
First Name	varchar 40,man	employee first name,
Surname	varchar 40,man	employee surname
Notes	memo	
Identification Data	varchar 40	Identification number provided by employee
Number	number	employee number, for company purposes , eg: 4556787, no decimals!
DOB	date	date of birth
Username	varchar20	users Login name. No two employees can have the same username. This must be validated upon saving an employee record.
LastSignIn	date/time	record servers date and time when the user logs in
Email	varchar60	employees email address
Default_SiteID	Returns Site.Name via Employee.DefaultSiteID	
EmployeeUDF1-10	Returns UserDefined.Data1-10	

Part

No parameters. Returns all Parts that are owned by your company.

Field Name	*Type/Man*	*Details*
PartCategoryID	Par_Category.Name via Part.PartCategoryID	
Name	Varchar50	user can name the part
Description	Memo	
Part Number	Varchar40	
Quantity	number, between 0 and 100,000. May contain two decimals. This is the quantity of measure that one container has in it.	
Measure	FK from Measure.MeasureID. user records the measurement type.	
Re-Order Alert	number between 1 and 9,999,000. May have two decimals. May NOT be negative. Optional. Default to NULL!	
Purchased	Boolean, tick if the Part can be purchased (via PO or InvoiceAP)	
Re-Sold	Boolean, tick if Part can be Re Sold (via InvoiceAR). Can only be ticked if "Purchased" is true. Will have batch number generated at Inventory incoming.	
Final Product Unit	Boolean, tick if Part can be sold – this also infers that this part is manufactured by Main Company and its inventory will have a batchID	
Manufacturing	Boolean, tick if the Part is manufactured by the company and will be used in other batches to eventually make a Final Product Unit (but could also be marked as a "Final Product Unit" as well).	
Not_Inventory	Boolean, False by default. If true then we know that this Part is a service, or has no physical manifestation.	
Sell_by_weight	Boolean, false by default. If true then invoice should use Quantity X Price (instead of Inventory.QtyOfUnits X Price) and label should show total weight.	
DefaultSalePrice	integer. three decimal places.	
Active	Boolean	TRUE by default. If this field is FALSE then this item will not show in drop downs and filters on the interface.
GTIN	Number, no more than 14 number. Must NOT contain decimal places! Will always be a positive number.	
GTIN_TypeID	FK from GTIN_TYPE table, optoinal	
Container_Weight	number, eg: 30.04 , used to store the empty weight of this unit. Optional.	
Gross Weight	number, eg 40.33, used to store gross weight of a finished product. Optional	
Pallets_Per_Container	integer, eg: 100, 20. Optional. Max number of pallets that fit in a shipping container for this **pallet & container type.**	
Units_Per_Pallet	integer, optional. Number of boxes that normally fit on this part (assuming the part is a pallet type)	
Date_Entered	date field. For internal FarmSoft purposes, we want to know when the Part was entered by a user. Mandatory. dEfault to NOW ONLY when original record is created.	
DeliveryContainerID	FK from Part. Optional. This lists the default Container (a "Part" used to contain the inventory) that is used to deliver inventory to the business (eg: on Create Inventory from Supplier screens) ie: set the Container Transaction default part with this value!	
PackedContainerID	FK from Part. Optional. This lists the default Container (a "Part" used to contain the inventory) that is used to store this inventory in the packing process (eg: on Create Inventory from Batch screens)	
Reuseable	Boolean, false by default , if True then this Part is a reuseable Container , it can be transferred to a Customer or Supplier (Inventory.PropertyOfCompanyID) and returned from Supplier/Customer (set Inventory.PropertyOfCompanyID = Our	
Return	date.. optional, date overdrawn value should be returned.	

OwnedByUs	Boolean, False by default. If true then this is likely a container or RPC. Used to distinguish Containers owned by external entities from containers owned by OurMainCompany
IngredientPartID	Optional FK from Part. If this part contains a common product, the ID of the part that this part contains is listed here. For example: Our company produces “Happy Brand Orange Juice 1k” and “Family Cup Orange Juice 10L”, each of these parts may ‘contain’ the same part such as “Generic Orange Juice”, only the packaging is different. The system will look to the IngredientPartID to calculate ingredients.
PlantsPerArea	Optional, number, eg: 1 or 1.5 or 123456. Used to calculate the number of plants (or other units) that will be produced per area of land (eg per acre).

Asset

No parameters. Returns all Assets (from Equipment table) that are owned by your company.

Field Name	*Type/Man*	*Details*
Name	Varchar 30	
Notes	memo	
Active	Boolean	TRUE by default. If this field is FALSE then this item will not show in drop downs and filters on the interface.
Acquisition Date	Date	date item was purchased.
Make Model	varchar 40	
Equipment Cost Type	number, may be null, eg: 1 , 2 , 3, 4, 5, . Less than 1000, NO decimal places. On the interface users will select the following values from a dropdown “1 Per Machine Hour” , “2 Per Unit of Area of Task”. When the user selects an option the number for that option will be stored here	
Registration Details	varchar40	
Storage Capacity	number	between 0 and 1,000,000. Two decimals.
Current Running Units	number between 1 and 10,000,000. The system will automatically increase the running units of this machine every time a task uses this equipment. Users can override this value to reset its running units.	

Task Type

No parameters. Returns all Task_Type are owned by your company.

Field Name	*Type/Man*	*Details*
Active	Boolean	TRUE by default. If this field is FALSE then this item will not show in drop downs and filters on the interface.
Name	Varchar 30	
UserDefinedDetails	Varchar20	user enter a name that describes the collection of special fields below. This name will show on a Tab in the Diary.
UserDefinedLabel1	varchar 20	user can define a special field for this task type
UserDefinedLabel2	varchar 20	user can define a special field for this task type
UserDefinedLabel3	varchar 20	user can define a special field for this task type
UserDefinedLabel4	varchar 20	user can define a special field for this task type
UserDefinedLabel5	varchar 20	user can define a special field for this task type

UserDefinedLabel6	varchar 20	user can define a special field for this task type
UserDefinedLabel7	varchar 20	user can define a special field for this task type
UserDefinedLabel8	varchar 20	user can define a special field for this task type
UserDefinedLabel9	varchar 20	user can define a special field for this task type
UserDefinedLabel10	varchar 20	user can define a special field for this task type
UserDefinedLabel11	varchar 20	user can define a special field for this task type
UserDefinedLabel12	varchar 20	user can define a special field for this task type
UserDefinedLabel13	varchar 20	user can define a special field for this task type
UserDefinedLabel14	varchar 20	user can define a special field for this task type
UserDefinedMemo	memo	user can define the name of a memo field here
PHI_Rules	bit	if true, and if TaskType.Farm is true, then tasks will show PHI periods on farm diary.
ReEntry_Rules	bit	if true, and if TaskType.Farm is true then Re-Entry periods will show on farm diary.
Farm	Boolean	if true, this task type will show up on the Farm Diary
HarvestTask	Boolean	if true then this task will show on Farm Diary, AND will show as Origin when creating Inventory
Manufacture	*Boolean*	if true, this task type will show up on the Batch Diary
Equipment	*Boolean*	if true, this task type will show up on the Equipment Diary
NOTE; Only ONE of either Farm, Manufacture, Equipment may have a true value at any one time.		
ShowEquipment	Boolean	true by default
showInventory	Boolean	true by default
ShowEmployees	Boolean	true by default
ShowAreas	Boolean	true by default
LabourRateID	FK from Labour Rate table	default labour rate that should be used when adding employees for this task.
Default_Supervisor	FK from employee, optional	

Inventory

DateCreated (Opt), WarehouseID (Opt), PartID (Opt)

Field Name	*Type/Man*	*Details*
InventoryID	PK	unique record for this table, mandatory
PartID	FK from Part table, mandatory	- specifies the Part that this inventory consists of
VarietyID	FK from Variety table, optional.	
InventoryNo	integer.	this is a serial number that is increased using the value from SERIAL table. User cannot edit this field.
PurchaseOrderItemID	FK from PurchaseOrderItem, optional – If this Inventory was purchased, its PO will identify its price etc	
InvoiceItemID	FK from InvoiceItem, optional – if this inventory has been sold, its Invoice Item ID will identify who it was sold to and when etc	
PalletID	FK from Pallet table, optional – if this inventory is on a pallet, use this palletID to locate pallet details	
Made In BatchID	FK from Batch table, optional – if this inventory was made by Main Company, a BatchID will appear here	
Used On TaskID	FK from Task table, optional – if this inventory was used as an Input (eg: on Farm Diary), its TaskID will appear here. If a task ID exists, then this inventory is considered “used” or “consumed” and will no longer appear in inventory stocktake, inventory on hand or available for use on other tasks,	

	and will not appear in "inventory value". If only part (ie: less than 100%) of an Inventory is used on a task, the portion that is assigned to the task must be copied to a new record, with a new InventoryID and InventoryNo, inherit all other details from the original Inventory, and adjust the Qty of each inventory.
FromTaskID	FK from Task. If this product was received as a result of a **harvest** (or Task related activity) then the TaskID will be stored here. Optional.
SupplierID	FK Company.CompanyID – the supplier of the inventory will always appear here. Supplier can be any company, including Main Company.
InventoryParentID	FK from Inventory.InventoryID: if this inventory was split into a new inventory record, the old InventoryID is stored here
MadeForSOItem	FK from SalesOrderItem. THIS FIELD IS USED TO SPECIFY WHAT SOI WE PACKED THIS FOR!!!
ContainerID	FK from Part.PartID , if this inventory is in a container (eg: Stock Arrival, or user wants to specify the container this product is in, then this field will identify the PartID that details the container.
Container Serial	varchar20 user may optionally enter a serial number that identifies the container.
FeatureType1	FK from Feature table
FeatureType2	FK from Feature table
FeatureType3	FK from Feature table
FeatureType4	FK from Feature table
Expiry	Date, optional.
Supplier Batch Data	AKA "Traceability", Varchar 80. Traceability data such as origin crop/patch/external suppliers batch etc, or Crop Name if internally supplied.
Temperature	number, between -100 and 100, may have two decimal places.
ManufactureDate	date/time
No Of Units	number between 0 and 999,000. May have two decimals. May NOT be negative. THIS FIELD IS THE NUMBER OF **CONTAINERS**!!!!
Quantity	number between 1 and 999,000. May have two decimals. May NOT be negative. This will usually be a weight or size in litres. If this item is being created to be put on a pallet, the weight will be calculated and redundantly stored here based on the Part weight for one unit.
Quantity Measure	FK from Measure.MeasureID table. REDUNDANT!
WarehouseID	FK from Warehouse table. Storage location of inventory. Mandatory.
WarehouseRowID	FK from WarehouseRow table. Storage location of inventory
WarehouseColumnID	FK from WarehouseColumn table. Storage location of inventory
WarehouseLevelID	FK from WarehouseLevel table. Storage location of inventory
Wasted	Boolean, if true then this inventory item has been wasted.
InventoryAdjustmentID	FK from InventoryAdjustment, optional. this field NEVER shows to user on the interface. If this inventory was wasted as a result of a stocktake then the adjustment record is here. (REMOVE THIS FIELD!!!)
TaskWasteID	FK from TaskWaste table. If this inventory was wasted in association with a task, this ID will identify the details.
Unfinished Batch Inventory	Boolean. False by default. If this field is true then we know that this Inventory is unfinished product in a batch OR is on hold for quality reasons.
Serial Text	Users can enter text based serial. , varchar 50
Packed By	FK EmployeeID. If this Inventory was packed by our main company, then the EmployeeID of the packer may be stored here.
DeliveryDate	Date/Time. Mandatory.
AccountID	FK from account. When this inventory is created, the AccountID from Part is inserted here by default. User can select another account ID.

Price	int. may have more than two decimal places. Optional. This will be used to store purchase price. THIS IS COST PER 1 **MEASURE**! (eg: cost to buy 1 kg or 1 Litre, this is NOT the cost per Container!). This is redundant storage to make calculating costs quicker! If this value is generate from a PurchaseOrderItem, then use this formula: Price = (Part.DefaultSalePrice / Part.Quantity) * Inventory.Quantity
Notes	memo. Optional.
Dispatch_Date	Date , optional , this is the date the item is sent (either from supplier, or from Main Company) - note I have used Invoice.DispatchDate for now.
Inv_Property_of_CompanyID	Optional. FK from Company ID. This is the ID of a company that owns the PHYSICAL inventory! **Do not mistake this field** for the "OwnerCompanyID"
Inv_ManufacturerID	FK from Company table. Optional. If the Inventory was manufactured by a Company that is NOT the Supplier, then the user can record the actual manufacturer here.
Inv_Manufacturer_Notes	Memo. User can optionally record notes on the manufacturer and their batch numbers here.
Inv_Manufacturer_Trace_Key	varchar 60 , optional
Has_Document	Boolean, default to False. This field will NEVER appear on the interface. When a Document is associated to this object, then this value set to true.
SalesOrderItemID	SOLD ON THIS SALES ORDER ITEM!!!!! Fk from SalesOrderItem, optional.
QC_ClassID	optional, FK from QC_Class. Used to specify the quality class of the inventory.
Data1	optional, user defined field, varchar 20
Data2	optoinal, user defined field, varchar 20
Data3	optoinal, user defined field, varchar 20
Plant_RowID	opotional, FK from Block_Row table
SalesOrderID	optional, FK from Sales Order
Estimate	Boolean, default value if FALSE upon creation. This is used to specify that the weight of this Inventory is an estimate.
BinID	varchar 15, user may record a BinID, optional
PalletTypePartID	optional, FK from Part, determines the type of pallet this inventory is on, note there is NO PalletID or PalletNumber for this inventory.
AddedToBatch	date, optional. This is the date the inventory was added to the batch.
DeliveryID	FK from Delivery, optional. If this inventory was part of a delivery, then a delivery ID will show here.
Moisture	Integer, optional.
Previous_WarehouseID	FK from Warehouse, optional, this is the previous storage location of this inventory

Delivery

DeliveryID, SupplierCompanyID, DeliveryDate,

Field

ID	
Delivery_No	Serial number from Serial table!
OwnercompanyID	FK from company ID
SupplierCompanyID	mandatory, Company ID of the company that sold the service to OurMainCompany
Date	Date. Date of purchase. Mandatory
Supplier_Reference	Varchar 20
Notes	Memo

CreatedByEmployeeID	FK from employee, mandatory, insert current users employee ID on record creation
Update_EmployeeID	FK from employee, insert current users employee ID on record EDIT/SAVE
Update_Date_Time	date, optional, insert current date/time on EDIT/SAVE/CREATION
TransportCompanyID	Optional FK from Company
Origin	varchar 20, optional >>>>>> Not used in V2
Transport_Code	varchar 20, optional >>>>>> Not used in V2
Emailed_By	EmployeeID of person who emailed this Delivery
Emailed_Date	Date/ time of successful send
Registration	varchar 20, optional. Registration of vehicle making this delivery >>>>>> Not used in V2
Temperature	integer, optional. Temperature of delivery vehicle. >>>>>> Not used in V2
Dont_export	Boolean, false by default. User can tick this value to stop invoice from being exported
Exported_date	date/time, if exported to a financial package or via #ExportInvoice
Exported_By_EmployeeID	FK from Employee, optional. ID of employee that last exported this item from #ExportInvoice

DELIVERY ITEMS

Field	
ID	
DeliveryID	FK from Delivery, mandatory
PartID	FK from Part, mandatory
Qty_Of_Units	Integer. The quantity of service or items purchased. Mandatory, default to 1.
Total_Cost	number, allow three decimals. Eg: 10000.34 or 45654345.23
InventoryID	FK from Inventory, optional
AccountID	FK from Accounts, optional

Pallet

Table Description: stores the Levels in a warehouse

Field Name	*Type/Man*	*Details*
PalletID	PK	unique record for this table, mandatory
Pallet No	integer. this is a serial number that will be incremented by 1 each time a new pallet is created. Use “Serial” table to get the next No.	
CreationDate	Date/Time	default to NOW when record created
LabelCreationDate	Date/Time	default to NOW when record created
EnteredBy	FK from EmployeeID	
Deleted	Boolean	FALSE by default. If this field is TRUE then this item will not show in drop downs and filters on the interface.
WarehouseID	FK from Warehouse table. Storage location of this pallet	
WarehouseRowID	FK from WarehouseRow table. Storage location of pallet	
WarehouseColumnID	FK from WarehouseColumn table. Storage location of pallet	
WarehouseLevelID	FK from WarehouseLevel table. Storage location of pallet	
Wasted	Boolean, if true then this pallet has been wasted and must not appear as a pallet available for consignment.	

TaskWasteID	FK from TaskWaste table. If the pallet was wasted on a task, then its WasteID will appear here.
Complete	Boolean, if true then this pallet will appear as available for consignment. Default to True if Setting 20 = True.
Shipped	Boolean, if true, then this pallet has been shipped
Shipped Date	date/time
ShippedPalletTemp	number between -100 and 100, can contain two decimals. Temperature of pallet when shipped
ShippedWarhouseTemp	number between -100 and 100, can contain two decimals. Temperature of Warehouse when shipped
ShippedTruckTemp	number between -100 and 100, can contain two decimals. Temperature of Warehouse when shipped
ShippedBy	FK from EmployeeID, default to employee that consigns the pallet
LabelPrinted	Date/Time last date and time this pallet label was printed.
GrossWeight	number between 0 and 1,000,000. The gross weight of the pallet. When inventory is added or removed the weight must be adjusted automatically
RFID	Varchar 128
OwnerCompanyID	FK from company this record belongs to the OwnerCompanyID shown here. Do NOT show this field to the user.
InvoiceID	Optional, FK from Invoice. If this pallet is on an invoice then this field is not null. (this field used to be InvoiceItemID).
Pallet Temp	Optional, number like 23 or 55.5 etc. temperature of pallet when created.
Data1	optional. user defined field. Varchar 20. Field label taken from SystemSettings “Pallet” section.
Data2	optional. user defined field. Varchar 20. Field label taken from SystemSettings “Pallet” section.
Data3	optional. user defined field. Varchar 20. Field label taken from SystemSettings “Pallet” section.
Data4	optional. user defined field. Varchar 20. Field label taken from SystemSettings “Pallet” section.
Data5	optional. Used for X of Y, eg: 1 of 22 pallets.
Data6	optional. Use for alternative PalletID/Number/Code, eg: from a grading machine etc.
Pallet_Part_ID	optional, user may specify the type of pallet that is used. A “Pallet” is from Part_Subcategory.Name = “Pallet” for OwnercompanyID where Part_subcategory.CategoryID has Category.Container = True. Default value here to first PartID in database that has this Part_SubCategoryID (for OwnerCompanyID and where Part.Active = True)
ShippingContainerID	FK from ShippingContainer table, optional
DeliveryID	FK from delivery. Optional.

Shipping_Container

Table Description: Shipping containers are entered here.

Field Name	*Type/Man*	*Details*
Shipping_ContainerID	PK	Primary key for each unique record in this table. Automatically generated. Not editable by user.
OwnerCompanyID	FK from Company, mandatory.	
Container_Number	varchar 35	
Seal	varchar 35	
Digital Recorder	varchar 35	
Mechanical Recorder	varchar 35	
Shipped	Boolean, default to FALSE	

Active	Boolean, default to TRUE
Notes	memo, optional

Batch

Table Description: A batch is a unique manufacturing Lot that is defined for the purpose of tracking costs and traceability.

Field Name	*Type/Man*	*Details*
BatchID	PK	Primary key for each unique record in this table. Automatically generated. Not editable by user.
BatchNo	Integer	integer. this is a serial number that will be incremented by 1 each time a new item is created. Use "Serial" table to get the next No.
Complete	Boolean	False by default. Will be used to hide the "Batch No" on selected filters when True.
Name	Varchar 30	
Notes	memo	
Start	Date/Time. Must NOT be null	
Finish	Date/Time. This field can be null.	
SupervisorEmployeeID	FK from Employee.	
InventoryManagerEmployeeID	FK from Employee	
WarehouseID	FK from Warehouse	
PartID	FK from Part	
VarietyID	FK from Variety	
OwnerCompanyID	ID of the company that owns this batch	
Batch.Total_Output	Number , optional, defaults to 0 on record creation, will contain numbers such as 100 , 100000.33 etc	
Batch.Total_Input	Number , optional, defaults to 0 on record creation, will contain numbers such as 100 , 100000.33 etc	
BillToCompanyID	FK from Company, optional. the company selected here will be billed for the work performed.	
Batch_TypeID	FK from Batch_Type, OPTIONAL! Determines the 'type' of batch, allowing user to record additional details on the batch.	
Required_Output	Optional, number such as 1.234 or 500000.235 or 0.0034. The label for this field is "Required Output". The user can optionally enter the total output required from this batch (note, the value could be number of finished units, or	
BOM_ID	FK from BOM table. Optional. If user wants to use estimates to produce this batch, they can select a BOM. Label for this field will be "Estimated Bill Of Materials"	
Batch_Start_Time	Optional, this field will store a time, eg: 12:05 PM. Default to NOW when user creates a batch	
Batch_Finish_Time	Optional, this field will store a time, eg: 12:05 PM	
BestBeforeDate	Optional, this field will store a date. User can specify the Best Before (ie: Use By Date / Expiry Date)	
Pre_Pack_Shrinkage	Number, eg: 1000.00 or 999999.33. Optional. Stores the PRE PACK shrinkage weight for the current batch.	
Pre_Pack_Hangling_Waste	Number, eg: 1000.00 or 999999.33. Optional. Stores the PRE PACK shrinkage weight for the current batch.	
Over_Pack	Number, eg: 1000.00 or 999999.33. Optional. Stores the POST pack losses due to over packing to compensate for future moisture loss of product prior to delivery to customer.	
Post_Pack_Handling	Number, eg: 1000.00 or 999999.33. Optional. Stores the POST pack losses due to internal handling activities such as accidental product destruction.	

Reject	Number, eg: 1000.00 or 999999.33. Optional. Stores the weight of product wasted during processing due to poor product quality
EVM	Number, eg: 1000.00 or 999999.33. Optional. Stores the weight of product wasted during processing because it is not the correct organic matter
Pre_Pack_Shrinkage_Notes	Memo, about the Waste_PrePack Shrinkage
Pre_Pack_Handling_Waste_Notes	Memo,
Over_Pack_Notes	Memo
Post_Pack_Handling_Notes	Memo
ProductionMethodID	FK from ProductionMethod table. Optional.
ProductionTaskID	FK from ProductionTask table. Optoinal.
PackedForSO	FK from Sales_Order, optional. If this batch is for ONE order, that order is selected here.

Task

Table Description: The task is the parent record in this dataset.

Field Name	*Type/Man*	*Details*
TaskInternalID	PK	Primary key for each unique record in this table. Automatically generated. Not editable by user.
Name	varchar60	user can enter a short name for the task
Supervisor	text	Employee.First Name + " " + Employee.Surname
Notes	memo	
Est Start	Date/Time,	
Est Finish	Date/Time,	
Act Start	Date/Time	
Act Finish	Date/Time	
Entry	Date/Time	time of record entry. Read only for user.
EntryBy	text	Employee.First Name + " " + Employee.Surname
WarehouseID	text	Warehouse.Name
UserDefinedData1-14	varchar 20	Legacy user defined field. Discontinued. Use "UDF"
UserDefinedLabel1-14	varchar 20	Legacy user defined field's label. Discontinued. Use "UDF"
UserDefinedMemo	memo	Legacy user defined field. Discontinued
UDF1-14	User defined data via TaskID (based on UserDefined.ShowOnTaskID1)	
UDFLabel1-14	User defined data label via TaskTypeID on UserDefined.ShowOnTaskID1	
CropID	*Text*	*Crop.Name*
BlockID	*Text*	*Block.Name*
ProductionTaskID	Text	ProductionTask.Name (Best practice task used to automatically create the task)
Date Applied	Date/Time: not editable by user, this field stores the date and Time that FarmSoft automatically created this task.	
TaskTypeID	Text	Task_Type.Name. Name of the type of task performed.
TaskNo	text	This is the Task Identification Number visible to the user. (Task ID above is not visible).
Harvest_Yield_Weight	, optional, number, may contain two decimal places	
Harvest_Yield_Units	, optional, number, may contain two decimal places	
Parent_Task_ID	text	Task.Task_No via ParentTask_ID (if this is a group task, parent task shows here)
Site.Active	Boolean	via Task.SiteID
Site.UDF1/2/3/4/….	Text	Will shows User Defined Data from Site. The name of the field will be UserDefined.Name. Can show fields 1 to 20. Data is returned via Task.SiteID.

Crop.Size	Number	Via Task.CropID
Crop.Start	Date	Via Task.CropID
Crop.Finish	Date	Via Task.CropID
Crop.Active	Boolean	Via Task.CropID
Crop.UDF1/2/3/4/….	Text	Will shows User Defined Data from Crop. The name of the field will be UserDefined.Name. Can show fields 1 to 20. Data is returned via Task.CropID.

Task_Employee

Table Description: employees can be associated with a task. This will be used to calculate labour costs. Note that an employee may work on a task more than once, eg, may start work at 10am and finish at 11am , then come back at 4pm and finish at 5 Pm (this second work session will be another record).

Field Name	*Type/Man*	*Details*
EmployeeID	text	Show Employee FirstName + " " + Surname
From	date/time	employee started work on this task at this time
Thru	date/time	employee finished work on this task at this time
Cost	integer, two decimals	this field is never editable by user and will store redundant calculation of labour to make reporting quick.
LabourRateID	text	show LabourRate.Name
Qty of Units	integer	will store **TOTAL** units of work (eg: 3.34) or 444 for 444 units of harvest.
Qty_Per_Employee	integer	will store the number of work units per employee, eg: 100 hours, 3.5 days, 55.5 totes (obviously units not stored in this field)
Number_Of_Employees	integer	stores the TOTAL number of employees working on this task (if this record is for more than one employee, eg a team or number of non documented employees)
Time_Entered	date/time	default to users local "now".
Entered_by_EmployeeID	text	Show Employee FirstName + " " + Surname. Name of person who entered this record.
Notes	memo	
Hours	number, optional, like 10.5 or 8 or 2.15	
TeamID	text	Team.Name
TaskNo	Text	Show Task.TaskNo, used to match this TaskEmployee to the Task
EmployeeIdenfificationData	Text	From Employee.IdentificationData (via TaskEmployee.EmployeeID). Employee ID visible to users.
Employee.UDF1/2/3/4/….	Text	Will shows User Defined Data from Employee. The name of the field will be UserDefined.Name. Can show fields 1 to 20. Data is returned via TaskEmployee.EmployeeID

Task Inventory

Table Description: inventory used on a task is stored here.

Field Name	*Type/Man*	*Details*
TaskID	Text	Show Task.TaskNo, used to match this record to the Task
InventoryID	FK from Inventory table.	This is the ID of the Inventory thats being used on this task.
Inventory_No	Text	Inventory number used by users. Via TaskInventory.InventoryID
Part Name	Text	Name of part used. Part.Name via TaskInventory.InventoryID via Inventory.PartID
Quantity	number always positive, between 0 and 1,000,000.	This is qty of kilograms, or pounds, or tonne..

Batch Notes	varchar50	Traceability notes about the inventory.
Application Rate	number between 0 and 10,000. May have two decimals.	
Inventory.Price	Number	Cost per measure of this inventory (eg: cost per kg, lb, liter). Via Task_Inventory.InventoryID
InventorySupplier	Text	Company.Name via Inventory.SupplierCompanyID via Task_Inventory.InventoryID
PartNumber	Text	Part.PartNumber via Inventory.PartID via TaskInventory.InventoryID. Part number/code.

Task Equipment

Table Description: when equipment is used on a task, each use will be recorded with one record here

Field Name	*Type/Man*	*Details*
TaskID	Text	Show Task.TaskNo
EquipmentID	Text	Show Equipment.Name. Name of equipment used on task.
Start	Date/Time	default to Actual Start if this field is left blank
Finish	Date/Time	default to Actual Finish when task is saved if this field is left blank
Running Units	Number	between 0 and 1,000,000 . NO decimal places. This is the running units, either hours or KM , as used ON THIS TASK.
Usage Notes	memo	
TaskProcess	FK from TaskProcess.. users can associate equipment with a specific process.	
Equipment Cost	Currency	between 0 and $10,000,000.00 , two decimals.
Equipment		

Task Est Inventory

Table Description: this table stores a redundant copy of the estimated Inventory for a task , also allows users to adjust the estimated labour manually

Field Name	*Type/Man*	*Details*
TaskID	Text	Show Task.TaskNo
Quantity Per Output/Area	number, between 0 and 10,000,000 , may have two decimal places. Also called Application Rate.	
Quantity	number between 1 and 1,000,000 , two decimals.	
Inventory_No	Text	Inventory number used by users. Via TaskInventory.InventoryID
Part Name	Text	Name of part used. Part.Name via TaskInventory.InventoryID via Inventory.PartID
Note	varchar 80	
Cost	, optional, stores the estimated cost of this item.	

Task Est Labour

Table Description: stores a redundant record of the labour estimation, also allows users to adjust the estimated labour manually. Estimated value (as opposed to Actual values of labour stored in Task_Employee).

Field Name	*Type/Man*	*Details*
TaskID	Text	Show Task.TaskNo
LabourRateID	text	LabourRate.Name
Quantity	total labour in minutes for this estimation	

Note	varchar 80	
EmployeeID	text	Show Employee FirstName + " " + Surname.
Cost	, optional, stores the estimated cost of this item.	
Qty_Per_Employee	integer	will store the number of work units per employee, eg: 100 hours, 3.5 days, 55.5 totes (obviously units not stored in this field)
Number_Of_Employees	integer	stores the TOTAL number of employees working on this task.

Task Est Equipment

Table Description: stores redundant copy of the Equipment estimate for this task. Also allows user to override the estimate with their own vales.

Field Name	*Type/Man*	*Details*
TaskID	Text	Show Task.TaskNo
EquipmentID	text	Equipment.Name
EquipmentCategory	FK from EquipmentCategory	
Total_Running_Units	number, between 0 and 10,000,000 , may have two decimal places	
Total_Cost	number between 0 and 1,000,000	

Company

Table Description: details of company that owns the Site related to this task. **CopmanyID** via Task.BlockID via Block.SiteID via Site.**SiteIsOwnedByID**

Field Name	*Type/Man*	*Details*
Company Name	Varchar 70, Man	name of company, mandatory
Notes	Memo	
Phone	varchar 30	company phone number
Fax	varchar 30	company fax number
Company Contact	varchar 40	name of person who is contact person at this company
Contact Email	varchar 40	email address of company contact
Company URL	varchar 40	URL of company
Subsidiary Of	text, shows Company.Namve via Company.SubsidiaryOf (Parent company name) (Be aware this shows the **Company.Name, NOT the Company.ID**)	
CountryID	FK from Country. Mandatory!	
CompanyUDF1	User defined data for selected company. This works for UDF 1 – 10 (eg: CompanyUDF2/3/4/5 etc)	

Unexported_Invoice

This function will return all invoices that have not been previously exported. During this process, each invoice provided will then be marked as exported and will not be provided by this process a second time. A timestamp is placed on the exported invoice. Each Invoice can have one or more invoice item records.

Data notes:

- The API will not export an invoice if Invoice.Dont_Export = TRUE
- The API will not export an invoice if Invoice.Exported_Date = NOT NULL
- After invoices are exported these fields are updated:
  - Exported_date: update to NOW
  - Notes: add " API export" to end of existing data in this field

Invoice

Field Name	*Type/Man*	*Details*
InvoiceNo	integer, integer. this is a serial number that uniquely identified the invoice.	
BillToCompanyID	FK from company ID. Mandatory.	
DeliverToCompany	Company.Name of the delivery company	
BillToCompanyID	Company.Name of the bill to company	
TransportCompany	Company.Name of the transport provider	
DelCompUDF1/2/3/4	UserDefined.Data1/2/3/4 for Company via Invoice.DeliverlToCompanyID	
BillCompUDF1/2/3/4	UserDefined.Data1/2/3/4 for Company via Invoice.BillToCompanyID	
Notes	memo	
DispatchDate	date goods are sent	
LandDate	date good are delivered	
SalesEmployee	Employee.FirstName + " " + Employee.Surname	
CustomerReference	customers sales order number or reference	
DeliveryInstructions	memo	
Shipping Details	usually the registration number of the truck	
Transport Reference	varchar 30	
Closed	Boolean, default to FALSE, this field must never be null!!! If this invoice is closed then it will be checked as true.	
Site	Site.Name via Invoice.SiteID	
Dont_export	Boolean, false by default. User can tick this value to stop invoice from being exported	
Created	date invoice is created.	

Invoice item

Table Description: Items on an Invoice stored here.

Field Name	*Type/Man*	*Details*
PartID	FK from Part, mandatory …	
Part.Number	Part.Number via Inventory.PartID: Some businesses use this to match the part sold from farmsoft to a Part in a financial solution	
Part.Name	via invoiceItem.PartID	
Variety.Name	via Inventory.VarietyID via InvoiceITem.InventoryID	
Feature1/2/3/4.Name	via Inventory.FeatureID1/2/3/4 via InvoiceITem.InventoryID	
Qty	quantity of units sold	
Notes	memo	
Price	Price per unit (if this item is sold by weight then this will be price per kg)	
InventoryNo	Inventory Number via InvoiceItem.InventoryID	

Sales_Code This is a unique code that can be used to match the Part + Variety + Feature 1/2/3/4 in farmsoft with a Part in the financial solution.

POST

Portal_Customer

Creates records in Company (Company.IsCustomer = TRUE, use other defaults from #AddEditCompany), Employee (per #AddEditPortalUser), Company_Address tables.

Field Name	*Type/Man*	*Details*
CompanyName	Varchar 70, Man	name of company, **mandatory**
Notes	Memo	
Phone	varchar 30	company phone number
Fax	varchar 30	company fax number
CompanyContact	varchar 40	name of person who is contact person at this company
ContactEmail	varchar 40	email address of company contact
Company URL	varchar 40	URL of company
UDF1/2/3/4/5	varchar 40	User defined field on Company 1, 2, 3, 4,5
Address1	varchar 60	Street 1
Address2	varchar 60	Street 2
City	varchar 40	
State	varchar 20	
ZipCode	varchar 20	
FirstName	varchar 20	first name of user, mandatory
Surname	varchar 20,	surname of user, mandatory
Username	varchar 60.	Email address that will also be users sign in. mandatory.
Password	varchar 20.	Must contain one number, one upper case, 8+ characters. mandatory