

## Appendix C: CSV Export File Contents

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Data may be exported from various places in the *KDSmart* application. This Appendix describes the various output file contents.

### Trial

The file name will contain the name of the *Trial* suitably modified to be a valid filename in the Windows or Unix file systems and you will be asked to choose one of three output forms:

- a) a CSV file with only the Trait Scores for Plots
- b) a CSV file with the Trait Scores for Plots and Specimens
- c) a ZIP file with

The headings for options (a) and (b) are detailed in the table below.

If you choose the ZIP format, the file will contain individual CSV files with:

- the *Trait Instances*
- the *Traits* used in the *Trial* (each line contains the details of one *Trait*)
- all the *Tags* (each line contains the details of one *Tag*)
- all the *Plots* (with *Tag Labels* in a single column separated by the pipe character)  
currently the *Plot Attributes* are not output
- all the *Specimens* (with *Tag Labels* too)
- the individual *Samples* (each line contains the score for a single *Plot / Trait Instance*)

In addition there will also be a folder (directory) with all of the *Annotations* that have been recorded (there will be a sub-folder for each *Plot* or *Specimen*)

Heading	Description
<b>TrialName</b>	Name of the Trial
<b>PlantingDate</b>	Planting Date in the format <b>yyyy-MM-dd</b>
<b>PlotId</b>	Different combinations of <b>PlotId</b> , <b>PlotColumn</b> and <b>PlotRow</b> are present depending on which method was chosen as the <i>Plot Identification</i> for the Trial.
<b>PlotColumn</b>	See above
<b>PlotRow</b>	See above
<b>PlotType</b>	Whatever was provided during Trial Import
<b>PlotBarcode</b>	Whatever was provided during Trial Import
<i>Trait_Instance_Name</i>  This will be the base <b>TRAIT_NAME</b> when the instance number is 1 or <b>TRAIT_NAME__#</b> (i.e. ends in two underscore characters followed by the instance number)	The scored value of the <i>Trait</i> . You may see one of: <ul style="list-style-type: none"> <li>• UNSCORED</li> <li>• NA</li> <li>• MISSING</li> </ul> if this is relevant.
<b>Date_Trait_Instance_Name</b>	Provides the date & time when the value was recorded in the format: <b>yyyy-MM-dd HH:mm:ss</b>
<b>Specimen#_Trait_Instance_Name</b>  Only present if the option for Plots and Specimens is chosen.	If zero (0) the value is for the <i>Plot</i> otherwise the value is for the numbered Specimen within the <i>Plot</i> .

**Traits**

Heading	Description
TraitName	
TraitDataType	
TraitUnit	
TraitValidation	
TraitDescription	

**Tags**

Heading	Description
TagLabel	The label for the Tag.
TagDescription	