

**Table A1: CSV format, entity-attribute value format**

Object	Multiplication	Measure-date	Entity	Attribute	Value	Result
44	1	02.01.2015	Treatment	Sowing		
44	1	02.01.2015	Plant	Species	Os	
44	1	02.01.2015	Plant	Subspecies	IR64	
44	1	14.01.2015	Design	Row		3
44	1	14.01.2015	Design	Column		1
44	1	14.01.2015	Treatment	Planting		
44	1	14.01.2015	Treatment	Location	name	Phytotron 44
44	1	21.01.2015	Treatment	treatment	50 mM NaCl	
44	1	21.01.2015	Shoot	absolute length	cm	10
44	1	21.01.2015	Shoot	drought score	no symptoms	1
44	1	21.01.2015	Shoot	number of tillers	number	1
44	1	28.01.2015	Shoot	absolute length	cm	15
44	1	28.01.2015	Shoot	drought score	gr and tillering reduced, most l discolor	11
44	1	28.01.2015	Shoot	number of tillers	number	2
44	1	04.02.2015	Shoot	absolute length	cm	16
44	1	04.02.2015	Shoot	drought score	plant dead or dying	1
44	1	04.02.2015	Shoot	number of tillers	number	2

**Table A2: CSV format, classical spreadsheet format**

Object	Measuredate	Treatment	Plant_Species	Plant_Subspecies	Design_Row	Design_Column	Location	Shoot_Absolute_length_cm	Drought score	Shoot_Number_of_tillers
44	02.01.2015	Sowing	Os	IR64						
44	14.01.2015	Planting	Os	IR64	3	1	Phytotron 44			
44	21.01.2015	50 mM NaCl	Os	IR64	3	1	Phytotron 44	10	no symptoms	1
44	28.01.2015		Os	IR64	3	1	Phytotron 44	15	gr and tillering reduced, most l discolor	2
44	04.02.2015		Os	IR64	3	1	Phytotron 44	16	plant dead or dying	2

**Table A3: XML format**

```
<?xml version="1.0" encoding="UTF-16" standalone="yes"?>
<TESTPROGRAM ID="39" VERSION="2012-06-12" NAME="OS_salt_stress" OBJECT="plant" OBJECT_TYPE="7"
DESCRIPTION="Rice under salt stress" xmlns="http://tempuri.org/ResultFile.xsd">
<TEST_OBJECT ID="44" TIMESTAMP="2015-01-02T13:33:51" MULTIPLICATION="1">
<PARAMETER ID="366" NAME_E="Treatment" NAME_D="Behandlung">
<ATTRIBUTE ID="211" NAME_E="Sowing" NAME_D="Aussaat" ORDER_NUMBER="0">
<VALUE NAME_E="" NAME_D=""></VALUE>
</ATTRIBUTE>
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</PARAMETER>
  <PARAMETER ID="345" NAME_E="Plant" NAME_D="Pflanze">
    <ATTRIBUTE ID="145" NAME_E="Species" NAME_D="Art" ORDER_NUMBER="0">
      <VALUE NAME_E="Os" NAME_D="Os">1</VALUE>
    </ATTRIBUTE>
    <ATTRIBUTE ID="146" NAME_E="Subspecies" NAME_D="Unterart" ORDER_NUMBER="0">
      <VALUE NAME_E="IR64" NAME_D="IR64">1</VALUE>
    </ATTRIBUTE>
  </PARAMETER>
</TEST_OBJECT>
<TEST_OBJECT ID="44" TIMESTAMP="2015-01-14T10:45:22" MULTIPLICATION="1">
  <PARAMETER ID="457" NAME_E="Design" NAME_D="Design">
    <ATTRIBUTE ID="98" NAME_E="Column" NAME_D="Spalte" ORDER_NUMBER="0">
      <VALUE NAME_E="" NAME_D="">1</VALUE>
    </ATTRIBUTE>
    <ATTRIBUTE ID="99" NAME_E="Row" NAME_D="Zeile" ORDER_NUMBER="0">
      <VALUE NAME_E="" NAME_D="">3</VALUE>
    </ATTRIBUTE>
  </PARAMETER>
    <PARAMETER ID="366" NAME_E="Treatment" NAME_D="Behandlung">
      <ATTRIBUTE ID="200" NAME_E="Planting" NAME_D="Pflanzen" ORDER_NUMBER="0">
        <VALUE NAME_E="" NAME_D=""></VALUE>
      </ATTRIBUTE>
      <ATTRIBUTE ID="110" NAME_E="Location" NAME_D="Ort" ORDER_NUMBER="0">
        <VALUE NAME_E="Name" NAME_D="Name">Phytotron 44</VALUE>
      </ATTRIBUTE>
    </PARAMETER>
  </TEST_OBJECT>
<TEST_OBJECT ID="44" TIMESTAMP="2015-01-21T12:30:46" MULTIPLICATION="1">
  <PARAMETER ID="366" NAME_E="Treatment" NAME_D="Behandlung">
    <ATTRIBUTE ID="36" NAME_E="treatment" NAME_D="Behandlung" ORDER_NUMBER="0">
      <VALUE NAME_E="50 mM NaCl" NAME_D="50 mM NaCl">1</VALUE>
    </ATTRIBUTE>
  </PARAMETER>
    <PARAMETER ID="120" NAME_E="Shoot" NAME_D="Spross">
      <ATTRIBUTE ID="150" NAME_E="absolute length" NAME_D="absolute Länge" ORDER_NUMBER="0">
        <VALUE NAME_E="cm" NAME_D="cm">10</VALUE>
      </ATTRIBUTE>
      <ATTRIBUTE ID="165" NAME_E="drought score" NAME_D="Trockenstressindex"
ORDER_NUMBER="0">
        <VALUE NAME_E="no sytoms" NAME_D="keine Anzeichen">1</VALUE>
      </ATTRIBUTE>
      <ATTRIBUTE ID="167" NAME_E="number of tillers" NAME_D="Anzahl der Sprosse"
ORDER_NUMBER="0">
        <VALUE NAME_E="number" NAME_D="Anzahl">1</VALUE>
      </ATTRIBUTE>
    </PARAMETER>
  </TEST_OBJECT>
<TEST_OBJECT ID="44" TIMESTAMP="2015-01-28T9:10:36" MULTIPLICATION="1">
  <PARAMETER ID="120" NAME_E="Shoot" NAME_D="Spross">
    <ATTRIBUTE ID="150" NAME_E="absolute length" NAME_D="absolute Länge" ORDER_NUMBER="0">
      <VALUE NAME_E="cm" NAME_D="cm">15</VALUE>
    </ATTRIBUTE>
    <ATTRIBUTE ID="165" NAME_E="drought score" NAME_D="Trockenstressindex"
ORDER_NUMBER="0">
      <VALUE NAME_E="gr and tillering reduced, most l discolo" NAME_D="Wachstum reduziert, > 50 %
Blaetter verfaerbt">1</VALUE>
    </ATTRIBUTE>
  </PARAMETER>
</TEST_OBJECT>

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</ATTRIBUTE>
  <ATTRIBUTE ID="167" NAME_E="number of tillers" NAME_D="Anzahl der Sprosse"
ORDER_NUMBER="0">
  <VALUE NAME_E="number" NAME_D="Anzahl">2</VALUE>
</ATTRIBUTE>
</PARAMETER>
</TEST_OBJECT>
<TEST_OBJECT ID="44" TIMESTAMP="2015-02-04T14:40:26" MULTIPLICATION="1">
<PARAMETER ID="120" NAME_E="Shoot" NAME_D="Spross">
  <ATTRIBUTE ID="150" NAME_E="absolute length" NAME_D="absolute Länge" ORDER_NUMBER="0">
  <VALUE NAME_E="cm" NAME_D="cm">16</VALUE>
  </ATTRIBUTE>
  <ATTRIBUTE ID="165" NAME_E="drought score" NAME_D="Trockenstressindex"
ORDER_NUMBER="0">
  <VALUE NAME_E="plant dead or dying" NAME_D="Pflanze tot oder sterbend">1</VALUE>
  </ATTRIBUTE>
  <ATTRIBUTE ID="167" NAME_E="number of tillers" NAME_D="Anzahl der Sprosse"
ORDER_NUMBER="0">
  <VALUE NAME_E="number" NAME_D="Anzahl">2</VALUE>
  </ATTRIBUTE>
</PARAMETER>
</TEST_OBJECT>
</TESTPROGRAM>
```