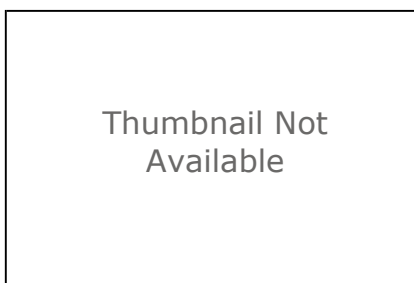


## Crop\_Height\_Diam

### dBASE Table



#### Tags

crop height, environment, crop type, stem diameter, SMAPVEX12, geoscientificInformation

#### Summary

This table was generated for use analysis and validation associated with the SMAPVEX12 (Soil Moisture Active-Passive Validation Experiment 2012) project.

#### Description

This table summarizes crop height and stem diameter for samples taken during the course of the 2012 SMAPVEX12 field campaign between June 7 and July 19. The table also includes the sample site identification number, allowing the biomass values to be geographically located.

#### Credits

Grant Wiseman Senior Geomatics Scientist – Scientifique principal en géomatique Agriculture and Agri-Food Canada – Agriculture et Agroalimentaire Canada Telephone - Téléphone: 204-984-4080 Cellular - Cellulaire: 204-293-6074 Facsimile - Télécopieur: 204-983-2178 200-303 Main Street, Winnipeg, MB R3C 3G7 grant.wiseman@agr.gc.ca

#### Use limitations

All SMAPVEX12 data (except those already on public domain servers) will be placed on the University of Sherbrooke site. Access will be limited by password that will be provided to principle investigators and co-investigators listed below. It will be up to the principle investigators and co-investigators to ensure that staff, graduate students and post docs respect the terms of the agreement on usage and distribution. Access to the website will be restricted until July 1, 2013 for preliminary research and quality control. After July 1, 2013 all data will be transferred to a SMAP DAAC. Principle Investigators Heather McNairn, Agriculture and Agri-Food Canada Tom Jackson, USDA, ARS Hydrology and Remote Sensing Laboratory Co-Investigators Aaron Berg, University of Guelph Amine Merzouki, Agriculture and Agri-Food Canada Andreas Colliander, JPL Anne Walker, Environment Canada Brenda Toth, Environment Canada/MSCHAL Catherine Champagne, Agriculture and Agri-Food Canada Craig Smith, Environment Canada Dara Entekhabi, MIT Eni Njoku, JPL Grant Wiseman, Agriculture and Agri-Food Canada Jarrett Powers, Agriculture and Agri-Food Canada Jiali Shang, Agriculture and Agri-Food Canada John Fitzmaurice, Agriculture and Agri-Food Canada Mahta Moghaddam, University Southern California Mike Cosh, USDA, ARS Hydrology and Remote Sensing Laboratory Narendra Das, JPL Paul Bullock, University of Manitoba Peggy O'Neill, NASA GSFC Ramata Magagi, University of Sherbrooke Rotimi Ojo, University of Manitoba Sab Kim, JPL Stéphane Bélair, Environment Canada - NWP and Data Assimilation Alicia Joseph, NASA GSFC Erika Podest, JPL John Kimball, University of Montana Kalifa Goïta, University of Sherbrooke Marco Carrera, Environment Canada, Meteorological Research Division Steven Chan, JPL Vanessa Escobar, NASA GSFC

#### ArcGIS Metadata ►

#### Topics and Keywords ►

THEMES OR CATEGORIES OF THE RESOURCE environment, geoscientificInformation

\* CONTENT TYPE Downloadable Data

THEME KEYWORDS environment, geoscientificInformation

THESAURUS ►

TITLE ISO 19115 Topic Categories

*Hide Thesaurus ▲*

THEME KEYWORDS crop height, crop type, stem diameter, SMAPVEX12

*Hide Topics and Keywords ▲*

## Citation ►

\* TITLE Crop\_Height\_Diam

PRESENTATION FORMATS digital document

FGDC GEOSPATIAL PRESENTATION FORMAT tabular digital data

*Hide Citation ▲*

## Resource Details ►

DATASET LANGUAGES English (CANADA)

SPATIAL REPRESENTATION TYPE \* text table

\* PROCESSING ENVIRONMENT Microsoft Windows 7 Version 6.1 (Build 7601) Service Pack 1; ESRI ArcGIS 10.0.5.4400

### CREDITS

Grant Wiseman Senior Geomatics Scientist – Scientifique principal en géomatique  
Agriculture and Agri-Food Canada – Agriculture et Agroalimentaire Canada Telephone -  
Téléphone: 204-984-4080 Cellular - Cellulaire: 204-293-6074 Facsimile - Télécopieur: 204-  
983-2178 200-303 Main Street, Winnipeg, MB R3C 3G7 grant.wiseman@agr.gc.ca

### ARCGIS ITEM PROPERTIES

\* NAME Crop\_Height\_Diam

\* SIZE 0.794

\* LOCATION file:///\\mbwinnfs106\gis\data8\projects\land\soil\SMAPVEX12  
\data\Geodatabase\DBFtables\Crop\_Height\_Diam.dbf

\* ACCESS PROTOCOL Local Area Network

*Hide Resource Details ▲*

## Resource Points of Contact ►

### POINT OF CONTACT

INDIVIDUAL'S NAME Grant Wiseman

ORGANIZATION'S NAME Agriculture and Agri-Food Canada – Agriculture et Agroalimentaire Canada

CONTACT'S POSITION Senior Geomatics Scientist – Scientifique principal en géomatique

CONTACT'S ROLE point of contact

**CONTACT INFORMATION** ▶**PHONE**

VOICE 204-984-4080

FAX 204-983-2178

**ADDRESS**

TYPE both

DELIVERY POINT 200-303 Main Street

CITY Winnipeg

ADMINISTRATIVE AREA Manitoba

POSTAL CODE R3C 3G7

COUNTRY CA

COUNTRY CA

E-MAIL ADDRESS [grant.wiseman@agr.gc.ca](mailto:grant.wiseman@agr.gc.ca)*[Hide Contact information](#)* ▲*[Hide Resource Points of Contact](#)* ▲**Resource Maintenance** ▶**RESOURCE MAINTENANCE**

UPDATE FREQUENCY as needed

*[Hide Resource Maintenance](#)* ▲**Resource Constraints** ▶**CONSTRAINTS****LIMITATIONS OF USE**

All SMAPVEX12 data (except those already on public domain servers) will be placed on the University of Sherbrooke site. Access will be limited by password that will be provided to principle investigators and co-investigators listed below. It will be up to the principle investigators and co-investigators to ensure that staff, graduate students and post docs respect the terms of the agreement on usage and distribution. Access to the website will be restricted until July 1, 2013 for preliminary research and quality control. After July 1, 2013 all data will be transferred to a SMAP DAAC. Principle Investigators Heather McNairn, Agriculture and Agri-Food Canada Tom Jackson, USDA, ARS Hydrology and Remote Sensing Laboratory Co-Investigators Aaron Berg, University of Guelph Amine Merzouki, Agriculture and Agri-Food Canada Andreas Colliander, JPL Anne Walker, Environment Canada Brenda Toth, Environment Canada/MS/CHAL Catherine Champagne, Agriculture and Agri-Food Canada Craig Smith, Environment Canada Dara Entekhabi, MIT Eni Njoku, JPL Grant Wiseman, Agriculture and Agri-Food Canada Jarrett Powers, Agriculture and Agri-Food Canada Jiali Shang, Agriculture and Agri-Food Canada John Fitzmaurice, Agriculture and Agri-Food Canada Mahta Moghaddam, University Southern California Mike Cosh, USDA, ARS Hydrology and Remote Sensing Laboratory Narendra Das, JPL Paul Bullock, University of Manitoba Peggy O'Neill, NASA GSFC Ramata Magagi, University of Sherbrooke Rotimi Ojo, University of Manitoba Sab Kim, JPL Stéphane Bélair, Environment Canada - NWP and Data Assimilation Alicia Joseph, NASA GSFC Erika Podest, JPL John Kimball, University of Montana Kalifa Goïta, University of Sherbrooke Marco Carrera, Environment Canada, Meteorological Research Division Steven Chan, JPL Vanessa Escobar, NASA GSFC

*[Hide Resource Constraints](#)* ▲**Distribution** ▶

## DISTRIBUTION FORMAT

\* NAME   dBASE Table

## TRANSFER OPTIONS

\* TRANSFER SIZE   0.794

*Hide Distribution ▲*

## Fields ►

## DETAILS FOR OBJECT Crop\_Height\_Diam ►

\* TYPE   Table

\* ROW COUNT   881

## DEFINITION

Crop height and stem diameter for samples taken during the course of the 2012 SMAPVEX12 field campaign.

## DEFINITION SOURCE

AAFC

## FIELD OID ►

\* ALIAS   OID

\* DATA TYPE   OID

\* WIDTH   4

\* PRECISION   0

\* SCALE   0

\* FIELD DESCRIPTION

Internal feature number.

\* DESCRIPTION SOURCE

ESRI

\* DESCRIPTION OF VALUES   Sequential unique whole numbers that are automatically generated.

*Hide Field OID ▲*

## FIELD Height\_3 ►

\* ALIAS   Height\_3

\* DATA TYPE   Double

\* WIDTH   19

\* PRECISION   0

\* SCALE   0

FIELD DESCRIPTION

Height (cm) of plant number 3.

DESCRIPTION SOURCE

AAFC

*Hide Field Height\_3 ▲*

## FIELD Date\_ ►

\* ALIAS   Date\_

\* DATA TYPE   Date

\* WIDTH   8

\* PRECISION   0

\* SCALE 0

[Hide Field Date\\_ ▲](#)

FIELD Crop ►

\* ALIAS Crop  
 \* DATA TYPE String  
 \* WIDTH 254  
 \* PRECISION 0  
 \* SCALE 0

[Hide Field Crop ▲](#)

FIELD Height\_1 ►

\* ALIAS Height\_1  
 \* DATA TYPE Double  
 \* WIDTH 19  
 \* PRECISION 0  
 \* SCALE 0

FIELD DESCRIPTION

Height (cm) of plant number 1.

DESCRIPTION SOURCE

AAFC

[Hide Field Height\\_1 ▲](#)

FIELD Mean\_Heigh ►

\* ALIAS Mean\_Heigh  
 \* DATA TYPE Double  
 \* WIDTH 19  
 \* PRECISION 0  
 \* SCALE 0

[Hide Field Mean\\_Heigh ▲](#)

FIELD Mean\_Diame ►

\* ALIAS Mean\_Diame  
 \* DATA TYPE Double  
 \* WIDTH 19  
 \* PRECISION 0  
 \* SCALE 0

[Hide Field Mean\\_Diame ▲](#)

FIELD Diameter\_2 ►

\* ALIAS Diameter\_2  
 \* DATA TYPE Double  
 \* WIDTH 19  
 \* PRECISION 0  
 \* SCALE 0

FIELD DESCRIPTION

Stem diameter (cm) of plant number 2.

DESCRIPTION SOURCE  
AAFC

[Hide Field Diameter\\_2 ▲](#)

FIELD Diameter\_3 ►

\* ALIAS Diameter\_3  
\* DATA TYPE Double  
\* WIDTH 19  
\* PRECISION 0  
\* SCALE 0

FIELD DESCRIPTION

Stem diameter (cm) of plant number 3.

DESCRIPTION SOURCE  
AAFC

[Hide Field Diameter\\_3 ▲](#)

FIELD Height\_10 ►

\* ALIAS Height\_10  
\* DATA TYPE Double  
\* WIDTH 19  
\* PRECISION 0  
\* SCALE 0

FIELD DESCRIPTION

Height (cm) of plant number 10.

DESCRIPTION SOURCE  
AAFC

[Hide Field Height\\_10 ▲](#)

FIELD Height\_9 ►

\* ALIAS Height\_9  
\* DATA TYPE Double  
\* WIDTH 19  
\* PRECISION 0  
\* SCALE 0

FIELD DESCRIPTION

Height (cm) of plant number 9.

DESCRIPTION SOURCE  
AAFC

[Hide Field Height\\_9 ▲](#)

FIELD Height\_7 ►

\* ALIAS Height\_7  
\* DATA TYPE Double  
\* WIDTH 19  
\* PRECISION 0  
\* SCALE 0

FIELD DESCRIPTION

Height (cm) of plant number 7.

DESCRIPTION SOURCE  
AAFC

[Hide Field Height\\_7 ▲](#)

FIELD [Diameter\\_8 ►](#)

\* [ALIAS](#) Diameter\_8  
\* [DATA TYPE](#) Double  
\* [WIDTH](#) 19  
\* [PRECISION](#) 0  
\* [SCALE](#) 0

FIELD DESCRIPTION

Stem diameter (cm) of plant number 8.

DESCRIPTION SOURCE  
AAFC

[Hide Field Diameter\\_8 ▲](#)

FIELD [Diameter\\_9 ►](#)

\* [ALIAS](#) Diameter\_9  
\* [DATA TYPE](#) Double  
\* [WIDTH](#) 19  
\* [PRECISION](#) 0  
\* [SCALE](#) 0

FIELD DESCRIPTION

Stem diameter (cm) of plant number 9.

DESCRIPTION SOURCE  
AAFC

[Hide Field Diameter\\_9 ▲](#)

FIELD [Diameter\\_7 ►](#)

\* [ALIAS](#) Diameter\_7  
\* [DATA TYPE](#) Double  
\* [WIDTH](#) 19  
\* [PRECISION](#) 0  
\* [SCALE](#) 0

FIELD DESCRIPTION

Stem diameter (cm) of plant number 7.

DESCRIPTION SOURCE  
AAFC

[Hide Field Diameter\\_7 ▲](#)

FIELD [Diameter\\_4 ►](#)

\* [ALIAS](#) Diameter\_4  
\* [DATA TYPE](#) Double  
\* [WIDTH](#) 19  
\* [PRECISION](#) 0  
\* [SCALE](#) 0

FIELD DESCRIPTION

Stem diameter (cm) of plant number 4.

DESCRIPTION SOURCE  
AAFC

*Hide Field Diameter\_4 ▲*

FIELD OBJECTID ►

\* ALIAS OBJECTID  
\* DATA TYPE Integer  
\* WIDTH 9  
\* PRECISION 9  
\* SCALE 0

FIELD DESCRIPTION

Internal feature number.

DESCRIPTION SOURCE  
ESRI

DESCRIPTION OF VALUES Sequential unique whole numbers that are automatically generated.

*Hide Field OBJECTID ▲*

FIELD Diameter\_5 ►

\* ALIAS Diameter\_5  
\* DATA TYPE Double  
\* WIDTH 19  
\* PRECISION 0  
\* SCALE 0

FIELD DESCRIPTION

Stem diameter (cm) of plant number 5.

DESCRIPTION SOURCE  
AAFC

*Hide Field Diameter\_5 ▲*

FIELD Height\_5 ►

\* ALIAS Height\_5  
\* DATA TYPE Double  
\* WIDTH 19  
\* PRECISION 0  
\* SCALE 0

FIELD DESCRIPTION

Height (cm) of plant number 5.

DESCRIPTION SOURCE  
AAFC

*Hide Field Height\_5 ▲*

FIELD Diameter\_1 ►

\* ALIAS Diameter\_1  
\* DATA TYPE Double  
\* WIDTH 19  
\* PRECISION 0  
\* SCALE 0

FIELD DESCRIPTION



Stem diameter (cm) of plant number 1.

DESCRIPTION SOURCE

AAFC

[Hide Field Diameter\\_1 ▲](#)

FIELD Height\_4 ►

\* ALIAS Height\_4  
\* DATA TYPE Double  
\* WIDTH 19  
\* PRECISION 0  
\* SCALE 0

FIELD DESCRIPTION

Height (cm) of plant number 4.

DESCRIPTION SOURCE

AAFC

[Hide Field Height\\_4 ▲](#)

FIELD Height\_2 ►

\* ALIAS Height\_2  
\* DATA TYPE Double  
\* WIDTH 19  
\* PRECISION 0  
\* SCALE 0

FIELD DESCRIPTION

Height (cm) of plant number 2.

DESCRIPTION SOURCE

AAFC

[Hide Field Height\\_2 ▲](#)

FIELD Site\_ID ►

\* ALIAS Site\_ID  
\* DATA TYPE String  
\* WIDTH 254  
\* PRECISION 0  
\* SCALE 0

FIELD DESCRIPTION

Sample site identification number.

DESCRIPTION SOURCE

AAFC

[Hide Field Site\\_ID ▲](#)

FIELD Height\_8 ►

\* ALIAS Height\_8  
\* DATA TYPE Double  
\* WIDTH 19  
\* PRECISION 0  
\* SCALE 0

FIELD DESCRIPTION

Height (cm) of plant number 8.

DESCRIPTION SOURCE  
AAFC

[Hide Field Height\\_8 ▲](#)

#### FIELD Height\_6 ►

\* ALIAS Height\_6  
\* DATA TYPE Double  
\* WIDTH 19  
\* PRECISION 0  
\* SCALE 0

FIELD DESCRIPTION

Height (cm) of plant number 6.

DESCRIPTION SOURCE  
AAFC

[Hide Field Height\\_6 ▲](#)

#### FIELD Diameter\_6 ►

\* ALIAS Diameter\_6  
\* DATA TYPE Double  
\* WIDTH 19  
\* PRECISION 0  
\* SCALE 0

FIELD DESCRIPTION

Stem diameter (cm) of plant number 6

DESCRIPTION SOURCE  
AAFC

[Hide Field Diameter\\_6 ▲](#)

#### FIELD Diamete\_10 ►

\* ALIAS Diamete\_10  
\* DATA TYPE Double  
\* WIDTH 19  
\* PRECISION 0  
\* SCALE 0

[Hide Field Diamete\\_10 ▲](#)

[Hide Details for object Crop\\_Height\\_Diam ▲](#)

[Hide Fields ▲](#)

## Metadata Details ►

METADATA LANGUAGE English (CANADA)  
METADATA CHARACTER SET utf8 - 8 bit UCS Transfer Format

SCOPE OF THE DATA DESCRIBED BY THE METADATA dataset

SCOPE NAME \* dataset

\* LAST UPDATE 2013-01-10

#### ARCGIS METADATA PROPERTIES

METADATA FORMAT ArcGIS 1.0

METADATA STYLE FGDC CSDGM Metadata

CREATED IN ARCGIS FOR THE ITEM 2012-12-20 09:23:44

LAST MODIFIED IN ARCGIS FOR THE ITEM 2013-01-10 16:01:34

#### AUTOMATIC UPDATES

HAVE BEEN PERFORMED Yes

LAST UPDATE 2013-01-10 16:01:34

[Hide Metadata Details ▲](#)

## FGDC Metadata (read-only) ►

### Entities and Attributes ►

#### DETAILED DESCRIPTION

##### ENTITY TYPE

ENTITY TYPE LABEL Crop\_Height\_Diam

ENTITY TYPE DEFINITION

Crop height and stem diameter for samples taken during the course of the 2012 SMAPVEX12 field campaign.

ENTITY TYPE DEFINITION SOURCE AAFC

##### ATTRIBUTE

ATTRIBUTE LABEL OID

ATTRIBUTE DEFINITION

Internal feature number.

ATTRIBUTE DEFINITION SOURCE ESRI

ATTRIBUTE DOMAIN VALUES

UNREPRESENTABLE DOMAIN

Sequential unique whole numbers that are automatically generated.

##### ATTRIBUTE

ATTRIBUTE LABEL Height\_3

ATTRIBUTE DEFINITION

Height (cm) of plant number 3.

ATTRIBUTE DEFINITION SOURCE AAFC

##### ATTRIBUTE

ATTRIBUTE LABEL Date\_

##### ATTRIBUTE

ATTRIBUTE LABEL Crop

##### ATTRIBUTE

ATTRIBUTE LABEL Height\_1

ATTRIBUTE DEFINITION

Height (cm) of plant number 1.

ATTRIBUTE DEFINITION SOURCE AAFC

ATTRIBUTE  
 ATTRIBUTE LABEL Mean\_Heigh

ATTRIBUTE  
 ATTRIBUTE LABEL Mean\_Diame

ATTRIBUTE  
 ATTRIBUTE LABEL Diameter\_2  
 ATTRIBUTE DEFINITION  
 Stem diameter (cm) of plant number 2.  
 ATTRIBUTE DEFINITION SOURCE AAFC

ATTRIBUTE  
 ATTRIBUTE LABEL Diameter\_3  
 ATTRIBUTE DEFINITION  
 Stem diameter (cm) of plant number 3.  
 ATTRIBUTE DEFINITION SOURCE AAFC

ATTRIBUTE  
 ATTRIBUTE LABEL Height\_10  
 ATTRIBUTE DEFINITION  
 Height (cm) of plant number 10.  
 ATTRIBUTE DEFINITION SOURCE AAFC

ATTRIBUTE  
 ATTRIBUTE LABEL Height\_9  
 ATTRIBUTE DEFINITION  
 Height (cm) of plant number 9.  
 ATTRIBUTE DEFINITION SOURCE AAFC

ATTRIBUTE  
 ATTRIBUTE LABEL Height\_7  
 ATTRIBUTE DEFINITION  
 Height (cm) of plant number 7.  
 ATTRIBUTE DEFINITION SOURCE AAFC

ATTRIBUTE  
 ATTRIBUTE LABEL Diameter\_8  
 ATTRIBUTE DEFINITION  
 Stem diameter (cm) of plant number 8.  
 ATTRIBUTE DEFINITION SOURCE AAFC

ATTRIBUTE  
 ATTRIBUTE LABEL Diameter\_9  
 ATTRIBUTE DEFINITION  
 Stem diameter (cm) of plant number 9.  
 ATTRIBUTE DEFINITION SOURCE AAFC

ATTRIBUTE  
 ATTRIBUTE LABEL Diameter\_7  
 ATTRIBUTE DEFINITION  
 Stem diameter (cm) of plant number 7.  
 ATTRIBUTE DEFINITION SOURCE AAFC

ATTRIBUTE  
 ATTRIBUTE LABEL Diameter\_4  
 ATTRIBUTE DEFINITION  
 Stem diameter (cm) of plant number 4.

ATTRIBUTE DEFINITION SOURCE AAFC

ATTRIBUTE

ATTRIBUTE LABEL OBJECTID

ATTRIBUTE DEFINITION

Internal feature number.

ATTRIBUTE DEFINITION SOURCE ESRI

ATTRIBUTE DOMAIN VALUES

UNREPRESENTABLE DOMAIN

Sequential unique whole numbers that are automatically generated.

ATTRIBUTE

ATTRIBUTE LABEL Diameter\_5

ATTRIBUTE DEFINITION

Stem diameter (cm) of plant number 5.

ATTRIBUTE DEFINITION SOURCE AAFC

ATTRIBUTE

ATTRIBUTE LABEL Height\_5

ATTRIBUTE DEFINITION

Height (cm) of plant number 5.

ATTRIBUTE DEFINITION SOURCE AAFC

ATTRIBUTE

ATTRIBUTE LABEL Diameter\_1

ATTRIBUTE DEFINITION

Stem diameter (cm) of plant number 1.

ATTRIBUTE DEFINITION SOURCE AAFC

ATTRIBUTE

ATTRIBUTE LABEL Height\_4

ATTRIBUTE DEFINITION

Height (cm) of plant number 4.

ATTRIBUTE DEFINITION SOURCE AAFC

ATTRIBUTE

ATTRIBUTE LABEL Height\_2

ATTRIBUTE DEFINITION

Height (cm) of plant number 2.

ATTRIBUTE DEFINITION SOURCE AAFC

ATTRIBUTE

ATTRIBUTE LABEL Site\_ID

ATTRIBUTE DEFINITION

Sample site identification number.

ATTRIBUTE DEFINITION SOURCE AAFC

ATTRIBUTE

ATTRIBUTE LABEL Height\_8

ATTRIBUTE DEFINITION

Height (cm) of plant number 8.

ATTRIBUTE DEFINITION SOURCE AAFC

ATTRIBUTE

ATTRIBUTE LABEL Height\_6

ATTRIBUTE DEFINITION

Height (cm) of plant number 6.

ATTRIBUTE DEFINITION SOURCE AAFC

## ATTRIBUTE

ATTRIBUTE LABEL Diameter\_6

ATTRIBUTE DEFINITION

Stem diameter (cm) of plant number 6

ATTRIBUTE DEFINITION SOURCE AAFC

## ATTRIBUTE

ATTRIBUTE LABEL Diamete\_10

*Hide Entities and Attributes ▲*