

# Crop\_Height\_Diam

## File Geodatabase Table

Thumbnail Not Available

### 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: 204-259-4006 Cellular - Cellulaire: 204-293-6074 Facsimile - Télécopieur: 204-259-4055 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/MS/ HAL 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)

DATASET CHARACTER SET utf8 - 8 bit UCS Transfer Format

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  
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Télécopieur: 204-259-4055 200-303 Main Street, Winnipeg, MB R3C 3G7  
grant.wiseman@agr.gc.ca

#### ARCGIS ITEM PROPERTIES

\* NAME Crop\_Height\_Diam

\* LOCATION

file:///\\mbwinnfs106\gis\$\data8\projects\land\soil\SMAPVEX12\data\Geodatabase\SMAPVE  
X\_MASTER.gdb

\* 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 204-259-4006

FAX 204-259-4055

ADDRESS

TYPE both

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POSTAL CODE R3C 3G7

COUNTRY CA

E-MAIL ADDRESS 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/HAL 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 Goita, University of

Sherbrooke Marco Carrera, Environment Canada, Meteorological Research Division  
Steven Chan, JPL Vanessa Escobar, NASA GSFC

[Hide Resource Constraints ▲](#)

## Geoprocessing history ►

### PROCESS

PROCESS NAME

DATE 2013-01-15 08:12:11

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CopyRows

COMMAND ISSUED

CopyRows

W:\data8\projects\land\soil\SMAPVEX12\data\Kurt\DBFtables\Crop\_Height\_Diam.d  
bf

W:\data8\projects\land\soil\SMAPVEX12\data\Kurt\SMAPVEX\_MASTER.gdb\Crop\_Heig  
ht\_Diam\_1 #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

### PROCESS

PROCESS NAME

DATE 2013-01-18 12:58:31

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField Crop\_Height\_Diam Crop "Soybeans" VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

### PROCESS

PROCESS NAME

DATE 2013-01-18 13:06:16

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField Crop\_Height\_Diam Crop "SoyBeans" VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

### PROCESS

PROCESS NAME

DATE 2013-01-22 11:25:50

TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField Crop\_Height\_Diam Crop "Oats" VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

### PROCESS

PROCESS NAME

DATE 2013-01-22 11:26:16

TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField Crop\_Height\_Diam Crop "Wheat" VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

[Hide Geoprocessing history ▲](#)

## Distribution ►

### DISTRIBUTION FORMAT

\* NAME File Geodatabase Table

*Hide Distribution ▲*

## Fields ►

### DETAILS FOR OBJECT Crop\_Height\_Diam ►

\* TYPE Table

\* ROW COUNT 880

#### DEFINITION

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

#### DEFINITION SOURCE

AAFC

### FIELD Height\_10 ►

\* ALIAS Height\_10

\* DATA TYPE Double

\* WIDTH 8

\* PRECISION 0

\* SCALE 0

#### FIELD DESCRIPTION

Height (cm) of plant number 10.

#### DESCRIPTION SOURCE

AAFC

*Hide Field Height\_10 ▲*

### FIELD Date ►

\* ALIAS Date

\* DATA TYPE Date

\* WIDTH 8

\* PRECISION 0

\* SCALE 0

*Hide Field Date ▲*

### FIELD Diameter\_2 ►

\* ALIAS Diameter\_2

\* DATA TYPE Double

\* WIDTH 8

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

Stem diameter (cm) of plant number 2.

DESCRIPTION SOURCE

AAFC

*Hide Field Diameter\_2 ▲*

FIELD Height\_1 ►

\* ALIAS Height\_1

\* DATA TYPE Double

\* WIDTH 8

\* 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 8

\* PRECISION 0

\* SCALE 0

*Hide Field Mean\_Heigh ▲*

FIELD Mean\_Diame ►

\* ALIAS Mean\_Diame

\* DATA TYPE Double

\* WIDTH 8

\* PRECISION 0

\* SCALE 0

*Hide Field Mean\_Diame ▲*

FIELD Diameter\_5 ►

\* ALIAS Diameter\_5

\* DATA TYPE Double

\* WIDTH 8

\* 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 8
- \* PRECISION 0
- \* SCALE 0

FIELD DESCRIPTION

Height (cm) of plant number 5.

DESCRIPTION SOURCE

AAFC

[Hide Field Height\\_5 ▲](#)

FIELD Diameter\_4 ►

- \* ALIAS Diameter\_4
- \* DATA TYPE Double
- \* WIDTH 8
- \* PRECISION 0
- \* SCALE 0

FIELD DESCRIPTION

Stem diameter (cm) of plant number 4.

DESCRIPTION SOURCE

AAFC

[Hide Field Diameter\\_4 ▲](#)

FIELD Diameter\_7 ►

- \* ALIAS Diameter\_7
- \* DATA TYPE Double
- \* WIDTH 8
- \* PRECISION 0
- \* SCALE 0

FIELD DESCRIPTION

Stem diameter (cm) of plant number 7.

DESCRIPTION SOURCE

AAFC

[Hide Field Diameter\\_7 ▲](#)

FIELD Diameter\_8 ►

\* ALIAS Diameter\_8  
\* DATA TYPE Double  
\* WIDTH 8  
\* PRECISION 0  
\* SCALE 0

FIELD DESCRIPTION

Stem diameter (cm) of plant number 8.

DESCRIPTION SOURCE

AAFC

*Hide Field Diameter\_8 ▲*

FIELD Diameter\_6 ►

\* ALIAS Diameter\_6  
\* DATA TYPE Double  
\* WIDTH 8  
\* PRECISION 0  
\* SCALE 0

FIELD DESCRIPTION

Stem diameter (cm) of plant number 6

DESCRIPTION SOURCE

AAFC

*Hide Field Diameter\_6 ▲*

FIELD Height\_8 ►

\* ALIAS Height\_8  
\* DATA TYPE Double  
\* WIDTH 8  
\* 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 8  
\* PRECISION 0



\* SCALE 0  
FIELD DESCRIPTION  
Height (cm) of plant number 6.

DESCRIPTION SOURCE  
AAFC

*Hide Field Height\_6 ▲*

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 Diameter\_1 ►  
\* ALIAS Diameter\_1  
\* DATA TYPE Double  
\* WIDTH 8  
\* PRECISION 0  
\* SCALE 0  
FIELD DESCRIPTION  
Stem diameter (cm) of plant number 1.

DESCRIPTION SOURCE  
AAFC

*Hide Field Diameter\_1 ▲*

FIELD Height\_3 ►  
\* ALIAS Height\_3  
\* DATA TYPE Double  
\* WIDTH 8  
\* PRECISION 0  
\* SCALE 0  
FIELD DESCRIPTION  
Height (cm) of plant number 3.

DESCRIPTION SOURCE  
AAFC

*Hide Field Height\_3 ▲*

FIELD Height\_4 ►

\* ALIAS Height\_4  
\* DATA TYPE Double  
\* WIDTH 8  
\* PRECISION 0  
\* SCALE 0

FIELD DESCRIPTION

Height (cm) of plant number 4.

DESCRIPTION SOURCE

AAFC

*Hide Field Height\_4 ▲*

FIELD Crop ►

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

*Hide Field Crop ▲*

FIELD Height\_7 ►

\* ALIAS Height\_7  
\* DATA TYPE Double  
\* WIDTH 8  
\* PRECISION 0  
\* SCALE 0

FIELD DESCRIPTION

Height (cm) of plant number 7.

DESCRIPTION SOURCE

AAFC

*Hide Field Height\_7 ▲*

FIELD OBJECTID ►

\* ALIAS OBJECTID  
\* 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 OBJECTID ▲*

FIELD Height\_9 ►

- \* ALIAS Height\_9
- \* DATA TYPE Double
- \* WIDTH 8
- \* PRECISION 0
- \* SCALE 0

FIELD DESCRIPTION

Height (cm) of plant number 9.

DESCRIPTION SOURCE

AAFC

*Hide Field Height\_9 ▲*

FIELD Diameter\_3 ►

- \* ALIAS Diameter\_3
- \* DATA TYPE Double
- \* WIDTH 8
- \* PRECISION 0
- \* SCALE 0

FIELD DESCRIPTION

Stem diameter (cm) of plant number 3.

DESCRIPTION SOURCE

AAFC

*Hide Field Diameter\_3 ▲*

FIELD Diameter\_9 ►

- \* ALIAS Diameter\_9
- \* DATA TYPE Double
- \* WIDTH 8
- \* PRECISION 0
- \* SCALE 0

FIELD DESCRIPTION

Stem diameter (cm) of plant number 9.

DESCRIPTION SOURCE

AAFC

*Hide Field Diameter\_9 ▲*

FIELD Height\_2 ►

\* ALIAS Height\_2  
\* DATA TYPE Double  
\* WIDTH 8  
\* PRECISION 0  
\* SCALE 0

FIELD DESCRIPTION

Height (cm) of plant number 2.

DESCRIPTION SOURCE

AAFC

[Hide Field Height\\_2 ▲](#)

FIELD Diamete\_10 ►

\* ALIAS Diamete\_10  
\* DATA TYPE Double  
\* WIDTH 8  
\* 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 2013-03-19

ARCGIS METADATA PROPERTIES

METADATA FORMAT ArcGIS 1.0

METADATA STYLE ISO 19139 Metadata Implementation Specification

STANDARD OR PROFILE USED TO EDIT METADATA FGDC

CREATED IN ARCGIS FOR THE ITEM 2013-01-15 08:12:09

LAST MODIFIED IN ARCGIS FOR THE ITEM 2013-03-19 10:14:06

AUTOMATIC UPDATES

HAVE BEEN PERFORMED Yes

LAST UPDATE 2013-03-19 10:14:06