| | l A | В | С | D |
|-----|--|--------------------------------|-------------------------------|--|
| 1 | VALU Table Theme | VALU Table Column Name _ short | VALU Table Column Name _ long | VALU Table Column Name Short Description |
| | Map unit identifier | mukey | mukey | Map unit key is the unique identifier of a record in the Mapunit table. Use this column to join |
| 2 | iviap unit identinei | mukey | mukey | the Component table to the Mapunit table. |
| | Available Water Storage (mm) | aws0_5 | aws_0_5 | Available water storage estimate (AWS) in standard layer 1 or standard zone 1 (0-5 cm |
| | , | 1 1 = 1 | 1 1=1=1 | depth), expressed in mm. The volume of plant available water that the soil can store in this |
| | | | | layer based on all map unit components (weighted average). NULL values are presented |
| 3 | | | | where data are incomplete or not available. |
| _ | Available Water Storage (mm) | aws5_20 | aws_5_20 | Available water storage estimate (AWS) in standard layer 2 (5-20 cm depth), expressed in |
| | Available Water Storage (IIIII) | aw35_20 | aw3_3_20 | mm. The volume of plant available water that the soil can store in this layer based on all map |
| | | | | unit components (weighted average). NULL values are presented where data are incomplete |
| 4 | | | | |
| 4 | A: Inhin Mater Chauses (man) | | 20.50 | or not available. |
| | Available Water Storage (mm) | aws20_50 | aws_20_50 | Available water storage estimate (AWS) in standard layer 3 (20-50 cm depth), expressed in |
| | | | | mm. The volume of plant available water that the soil can store in this layer based on all map |
| l _ | | | | unit components (weighted average). NULL values are presented where data are incomplete |
| 5 | | | | or not available. |
| | Available Water Storage (mm) | aws50_100 | aws_50_100 | Available water storage estimate (AWS) in standard layer 4 (50-100 cm depth), expressed in |
| | | | | mm. The volume of plant available water that the soil can store in this layer based on all map |
| | | | | unit components (weighted average). NULL values are presented where data are incomplete |
| 6 | | | | or not available. |
| | Available Water Storage (mm) | aws100_150 | aws_100_150 | Available water storage estimate (AWS) in standard layer 5 (100-150 cm depth), expressed in |
| | | | | mm. The volume of plant available water that the soil can store in this layer based on all map |
| | | | | unit components (weighted average). NULL values are presented where data are incomplete |
| 7 | | | | or not available. |
| | Available Water Storage (mm) | aws150_999 | aws_150_999 | Available water storage estimate (AWS) in standard layer 6 (150 cm to the reported depth of |
| | | | | the soil profile), expressed in mm. The volume of plant available water that the soil can store |
| | | | | in this layer based on all map unit components (weighted average). NULL values are |
| 8 | | | | presented where data are incomplete or not available. |
| | Available Water Storage (mm) | aws0_20 | aws_0_20 | Available water storage estimate (AWS) in standard zone 2 (0-20 cm depth), expressed in |
| | | | | mm. The volume of plant available water that the soil can store in this zone based on all map |
| | | | | unit components (weighted average). NULL values are presented where data are incomplete |
| 9 | | | | or not available. |
| | Available Water Storage (mm) | aws0_30 | aws_0_30 | Available water storage estimate (AWS) in standard zone 3 (0-30 cm depth), expressed in |
| | | | | mm. The volume of plant available water that the soil can store in this zone based on all map |
| | | | | unit components (weighted average). NULL values are presented where data are incomplete |
| 10 | | | | or not available. |
| | Available Water Storage (mm) | aws0 100 | aws_0_100 | Available water storage estimate (AWS) in standard zone 4 (0-100 cm depth), expressed in |
| | | _ | | mm. The volume of plant available water that the soil can store in this zone based on all map |
| | | | | unit components (weighted average). NULL values are presented where data are incomplete |
| 11 | | | | or not available. |
| ۳ | Available Water Storage (mm) | aws0_150 | aws_0_150 | Available water storage estimate (AWS) in standard zone 5 (0-150 cm depth), expressed in |
| | | | | mm. The volume of plant available water that the soil can store in this zone based on all map |
| | | | | unit components (weighted average). NULL values are presented where data are incomplete |
| 12 | | | | or not available. |
| | Available Water Storage (mm) | aws0_999 | aws_0_999 | Available water storage estimate (AWS) in total soil profile (0 cm to the reported depth of the |
| | Transic Water Storage (mm) | 430_333 | u3_0_333 | soil profile), expressed in mm. The volume of plant available water that the soil can store in |
| | | | | this layer based on all map unit components (weighted average). NULL values are presented |
| 13 | | | | |
| 13 | Thickness (cm) used in the Available Water Storage | tk0_5a | thick_0_5_aws | where data are incomplete or not available. Thickness of soil components used in standard layer 1 or standard zone 1 (0-5 cm) expressed |
| | | INU_3a | tilick_0_3_aws | |
| 14 | calculation | | | in cm (weighted average) for the available water storage calculation. NULL values are |
| 14 | Thiskness (cm) used in the Aveilable Materials | thE 200 | thick F 20 over | presented where data are incomplete or not available. |
| | Thickness (cm) used in the Available Water Storage | tk5_20a | thick_5_20_aws | Thickness of soil components used in standard layer 2 (5-20 cm) expressed in cm (weighted |
| 1,- | calculation | | | average) for the available water storage calculation. NULL values are presented where data |
| 15 | | | | are incomplete or not available. |

| | Δ | В | С | D |
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| | Thickness (cm) used in the Available Water Storage | tk20 50a | thick_20_50_aws | Thickness of soil components used in standard layer 3 (20-50 cm) expressed in cm (weighted |
| | calculation | 20_550 | | average) for the available water storage calculation. NULL values are presented where data |
| 16 | | | | are incomplete or not available. |
| 10 | Thickness (cm) used in the Available Water Storage | tk50 100a | thick 50 100 aws | Thickness of soil components used in standard layer 4 (50-100 cm) expressed in cm (weighted |
| | calculation | 1830_1008 | tilick_50_100_aws | average) for the available water storage calculation. NULL values are presented where data |
| 17 | Calculation | | | are incomplete or not available. |
| 1/ | This is a second to the analysis black of the second to th | H-100 150- | this 100 150 sure | ' |
| | Thickness (cm) used in the Available Water Storage | tk100_150a | thick_100_150_aws | Thickness of soil components used in standard layer 5 (100-150 cm) expressed in cm |
| | calculation | | | (weighted average) for the available water storage calculation. NULL values are presented |
| 18 | | | | where data are incomplete or not available. |
| | Thickness (cm) used in the Available Water Storage | tk150_999a | thick_150_999_aws | Thickness of soil components used in standard layer 6 (150 cm to the reported depth of the |
| | calculation | | | soil profile) expressed in cm (weighted average) for the available water storage calculation. |
| 19 | | | | NULL values are presented where data are incomplete or not available. |
| | Thickness (cm) used in the Available Water Storage | tk0_20a | thick_0_20_aws | Thickness of soil components used in standard zone 2 (0-20 cm) expressed in cm (weighted |
| | calculation | | | average) for the available water storage calculation. NULL values are presented where data |
| 20 | | | | are incomplete or not available. |
| | Thickness (cm) used in the Available Water Storage | tk0_30a | thick_0_30_aws | Thickness of soil components used in standard zone 3 (0-30 cm) expressed in cm (weighted |
| | calculation | | | average) for the available water storage calculation. NULL values are presented where data |
| 21 | | | | are incomplete or not available. |
| | Thickness (cm) used in the Available Water Storage | tk0 100a | thick 0 100 aws | Thickness of soil components used in standard zone 4 (0-100 cm) expressed in cm (weighted |
| | calculation | | | average) for the available water storage calculation. NULL values are presented where data |
| 22 | Culculation | | | are incomplete or not available. |
| | Thickness (cm) used in the Available Water Storage | tk0 150a | thick 0 150 aws | Thickness of soil components used in standard zone 5 (0-150 cm) expressed in cm (weighted |
| | calculation | tk0_130a | tilick_0_130_aws | , , , , , , , , |
| 23 | Calculation | | | average) for the available water storage calculation. NULL values are presented where data |
| 23 | | | | are incomplete or not available. |
| | Thickness (cm) used in the Available Water Storage | tk0_999a | thick_0_999_aws | Thickness of soil components used in total soil profile (0 cm to the reported depth of the soil |
| | calculation | | | profile) expressed in cm (weighted average) for the available water storage calculation. NULL |
| 24 | | | | values are presented where data are incomplete or not available. |
| | Map Unit summed component percentage (representative | musumcpcta | mu_sum_comppct_r_aws | The sum of the comppct_r (SSURGO component table) values used in the available water |
| | value) for Available Water Storage calculations (metadata) | | | storage calculation for the map unit. Useful metadata information. NULL values are |
| 25 | | | | presented where data are incomplete or not available. |
| | Soil Organic Carbon (g C per square meter) | soc0 5 | soc 0 5 | Soil organic carbon stock estimate (SOC) in standard layer 1 or standard zone 1 (0-5 cm |
| | Son organic carbon (g e per square meter) | 3000_3 | 300_0_3 | depth). The concentration of organic carbon present in the soil expressed in grams C per |
| | | | | square meter to a depth of 5 cm. NULL values are presented where data are incomplete or |
| 26 | | | | · · · · · · · · · · · · · · · · · · · |
| 20 | Coll Control Control (Control Control | 5 . 20 | 5.20 | not available. |
| | Soil Organic Carbon (g C per square meter) | soc5_20 | soc_5_20 | Soil organic carbon stock estimate (SOC) in standard layer 2 (5-20 cm depth). The |
| | | | | concentration of organic carbon present in the soil expressed in grams C per square meter for |
| l | | | | the 5-20 cm layer. NULL values are presented where data are incomplete or not available. |
| 27 | | | | |
| | Soil Organic Carbon (g C per square meter) | soc20_50 | soc_20_50 | Soil organic carbon stock estimate (SOC) in standard layer 3 (20-50 cm depth). The |
| | | | | concentration of organic carbon present in the soil expressed in grams C per square meter for |
| | | | | the 20-50 cm layer. NULL values are presented where data are incomplete or not available. |
| 28 | | | | |
| | Soil Organic Carbon (g C per square meter) | soc50_100 | soc_50_100 | Soil organic carbon stock estimate (SOC) in standard layer 4 (50-100 cm depth). The |
| | | | | concentration of organic carbon present in the soil expressed in grams C per square meter for |
| | | | | the 50-100 cm layer. NULL values are presented where data are incomplete or not available. |
| 29 | | | | |
| | Soil Organic Carbon (g C per square meter) | soc100_150 | soc_100_150 | Soil organic carbon stock estimate (SOC) in standard layer 5 (100-150 cm depth). The |
| | | | | concentration of organic carbon present in the soil expressed in grams C per square meter for |
| | | | | the 100-150 cm layer. NULL values are presented where data are incomplete or not |
| 30 | | | | available. |
| 30 | | 1 | | available. |

| | Δ | В | С | D |
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| | Soil Organic Carbon (g C per square meter) | soc150 999 | soc 150 999 | Soil organic carbon stock estimate (SOC) in standard layer 6 (150 cm to the reported depth of |
| | Son organic curson (g e per square meter) | 300130_333 | 300_130_333 | the soil profile). The concentration of organic carbon present in the soil expressed in grams C |
| | | | | per square meter for the 150 cm and greater depth layer. NULL values are presented where |
| 31 | | | | data are incomplete or not available. |
| 31 | Soil Organic Carbon (g C per square meter) | soc0 20 | soc 0 20 | Soil organic carbon stock estimate (SOC) in standard zone 2 (0-20 cm depth). The |
| | Son Organic Carbon (g c per square meter) | soco_20 | 500_0_20 | concentration of organic carbon present in the soil expressed in grams C per square meter to |
| | | | | |
| 32 | | | | a depth of 20 cm. NULL values are presented where data are incomplete or not available. |
| 32 | Soil Organic Carbon (g C per square meter) | soc0 30 | soc 0 30 | Soil organic carbon stock estimate (SOC) in standard zone 3 (0-30 cm depth). The |
| | Son Organic Carbon (g c per square meter) | 3000_30 | 300_0_30 | concentration of organic carbon present in the soil expressed in grams C per square meter to |
| | | | | a depth of 30 cm. NULL values are presented where data are incomplete or not available. |
| 33 | | | | a depth of 30 cm. NOLL values are presented where data are incomplete or not available. |
| 33 | Soil Organic Carbon (g C per square meter) | soc0 100 | soc 0 100 | Soil organic carbon stock estimate (SOC) in standard zone 4 (0-100 cm depth). The |
| | Son organic carbon (g e per square meter) | 3000_100 | 300_0_100 | concentration of organic carbon present in the soil expressed in grams C per square meter to |
| | | | | a depth of 100 cm. NULL values are presented where data are incomplete or not available. |
| 34 | | | | a depth of 100 cm. Note values are presented where data are incomplete of not available. |
| J# | Soil Organic Carbon (g C per square meter) | soc0 150 | soc_0_150 | Soil organic carbon stock estimate (SOC) in standard zone 5 (0-150 cm depth). The |
| | Son organio carson (g o per square meter) | 3000_100 | 555_5_155 | concentration of organic carbon present in the soil expressed in grams C per square meter to |
| | | | | a depth of 150 cm. NULL values are presented where data are incomplete or not available. |
| 35 | | | | a depth of 150 cm. Note values are presented where data are incomplete of not available. |
| | Soil Organic Carbon (g C per square meter) | soc0 999 | soc 0 999 | Soil organic carbon stock estimate (SOC) in total soil profile (0 cm to the reported depth of |
| | (g : p : : : : , | | 111=1=111 | the soil profile). The concentration of organic carbon present in the soil expressed in grams C |
| | | | | per square meter for the total reported soil profile depth. NULL values are presented where |
| 36 | | | | data are incomplete or not available. |
| | Thickness (cm) used in the Soil Organic Carbon calculation | tk0_5s | thick_0_5_soc | Thickness of soil components used in standard layer or standard zone (0-5 cm) expressed in |
| | | | | cm (weighted average) for the Soil Organic Carbon calculation. NULL values are presented |
| 37 | | | | where data are incomplete or not available. |
| | Thickness (cm) used in the Soil Organic Carbon calculation | tk5_20s | thick 5 20 soc | Thickness of soil components used in standard layer 3 (5-20 cm) expressed in cm (weighted |
| | | _ | | average) for the Soil Organic Carbon calculation. NULL values are presented where data are |
| 38 | | | | incomplete or not available. |
| | Thickness (cm) used in the Soil Organic Carbon calculation | tk20_50s | thick_20_50_soc | Thickness of soil components used in standard layer 3 (20-50 cm) expressed in cm (weighted |
| | | | | average) for the Soil Organic Carbon calculation. NULL values are presented where data are |
| 39 | | | | incomplete or not available. |
| | Thickness (cm) used in the Soil Organic Carbon calculation | tk50_100s | thick 50 100 soc | Thickness of soil components used in standard layer 4 (50-100 cm) expressed in cm (weighted |
| | | | | average) for the Soil Organic Carbon calculation. NULL values are presented where data are |
| 40 | | | | incomplete or not available. |
| | Thickness (cm) used in the Soil Organic Carbon calculation | tk100 150s | thick 100 150 soc | Thickness of soil components used in standard layer 5 (100-150 cm) expressed in cm |
| | | _ | | (weighted average) for the Soil Organic Carbon calculation. NULL values are presented where |
| 41 | | | | data are incomplete or not available. |
| | Thickness (cm) used in the Soil Organic Carbon calculation | tk150_999s | thick_150_999_soc | Thickness of soil components used in standard layer 6 (150 cm to the reported depth of the |
| | | | | soil profile) expressed in cm (weighted average) for the Soil Organic Carbon calculation. NULL |
| 42 | | | | values are presented where data are incomplete or not available. |
| | Thickness (cm) used in the Soil Organic Carbon calculation | tk0_20s | thick_0_20_soc | Thickness of soil components used in standard zone 2 (0-20 cm) expressed in cm (weighted |
| | | | | average) for the Soil Organic Carbon calculation. NULL values are presented where data are |
| 43 | | | | incomplete or not available. |
| | Thickness (cm) used in the Soil Organic Carbon calculation | tk0_30s | thick_0_30_soc | Thickness of soil components used in standard zone 3 (0-30 cm) expressed in cm (weighted |
| | | | | average) for the Soil Organic Carbon calculation. NULL values are presented where data are |
| 44 | | | | incomplete or not available. |
| | Thickness (cm) used in the Soil Organic Carbon calculation | tk0_100s | thick_0_100_soc | Thickness of soil components used in standard zone 4 (0-100 cm) expressed in cm (weighted |
| | | | | average) for the Soil Organic Carbon calculation. NULL values are presented where data are |
| 45 | | | | incomplete or not available. |

| | A | В | С | D |
|----|--|------------|------------------------------|--|
| | Thickness (cm) used in the Soil Organic Carbon calculation | tk0 150s | thick 0 150 soc | Thickness of soil components used in standard zone 5 (0-150 cm) expressed in cm (weighted |
| | (· , · · · · · · · · · · · · · · · · · | | | average) for the Soil Organic Carbon calculation. NULL values are presented where data are |
| 46 | | | | incomplete or not available. |
| | Thickness (cm) used in the Soil Organic Carbon calculation | tk0_999s | thick_0_999_soc | Thickness of soil components used in total soil profile (0 cm to the reported depth of the soil |
| | • | _ | | profile) expressed in cm (weighted average) for the Soil Organic Carbon calculation. NULL |
| 47 | | | | values are presented where data are incomplete or not available. |
| | Map Unit summed component percentage (representative | musumcpcts | mu_sum_comppct_r_soc | The sum of the comppct_r (SSURGO component table) values used in the soil organic carbon |
| | value) for Soil Organic Carbon calculations (metadata) | | | calculation for the map unit. Useful metadata information. NULL values are presented where |
| 48 | | | | data are incomplete or not available. |
| | National Commodity Crop Productivity Index - CORN and | nccpi2cs | nccpi2_corn_soybeans | National Commodity Crop Productivity Index for Corn and Soybeans (weighted average) for |
| | SOYBEANS | | | major earthy components. Values range from .01 (low productivity) to .99 (high productivity). |
| | | | | Earthy components are those soil series or higher level taxa components that can support |
| | | | | crop growth (Dobos et al., 2012). Major components are those soil components where the |
| | | | | majorcompflag = 'Yes' (SSURGO component table). NULL values are presented where data |
| 49 | | | | are incomplete or not available. |
| | National Commodity Crop Productivity Index - SMALL | nccpi2sg | nccpi2_small_grains | National Commodity Crop Productivity Index for Small Grains (weighted average) for major |
| | GRAINS | | | earthy components. Values range from .01 (low productivity) to .99 (high productivity). |
| | | | | Earthy components are those soil series or higher level taxa components that can support |
| | | | | crop growth (Dobos et al., 2012). Major components are those soil components where the majorcompflag = 'Yes' (SSURGO component table). NULL values are presented where data |
| 50 | | | | are incomplete or not available. |
| _ | National Commodity Crop Productivity Index - COTTON | nccpi2co | nccpi2 cotton | National Commodity Crop Productivity Index for Cotton (weighted average) for major earthy |
| | national commonly crop Productivity mack Corroll | 11ccpi2co | incepiz_cotton | components. Values range from .01 (low productivity) to .99 (high productivity). Earthy |
| | | | | components are those soil series or higher level taxa components that can support crop |
| | | | | growth (Dobos et al., 2012). Major components are those soil components where the |
| | | | | majorcompflag = 'Yes' (SSURGO component table). NULL values are presented where data are |
| 51 | | | | incomplete or not available. |
| | National Commodity Crop Productivity Index - OVERALL | nccpi2all | nccpi2_overall | National Commodity Crop Productivity Index that has the highest value among Corn and |
| | | | | Soybeans, Small Grains, or Cotton (weighted average) for major earthy components. Values |
| | | | | range from .01 (low productivity) to .99 (high productivity). Earthy components are those |
| | | | | soil series or higher level taxa components that can support crop growth (Dobos et al., 2012). |
| | | | | Major components are those soil components where the majorcompflag = 'Yes' (SSURGO |
| | | | | component table). NULL values are presented where data are incomplete or not available. |
| 52 | Market Committee | - decade | | The National Community Community and a state of the state |
| | National Commodity Crop Productivity Index - map unit | pctearthmc | mapunit_percent_earthy_mc | The National Commodity Crop Productivity Index map unit percent earthy is the map unit |
| | percent earthy major components (metadata) | | | summed comppct_r for major earthy components. Earthy components are those soil series |
| | | | | or higher level taxa components that can support crop growth (Dobos et al., 2012). Major components are those soil components where the majorcompflag = 'Yes' (SSURGO |
| | | | | components are those soil components where the majorcomphag = Yes (SSURGO component table). Useful metadata information. NULL values are presented where data are |
| 53 | | | | incomplete or not available. |
| _ | Root Zone Depth (cm) - earthy major components | rootznemc | root zone cc depth earthy mc | Root zone depth is the depth within the soil profile that commodity crop (cc) roots can |
| | and the second s | 1 | | effectively extract water and nutrients for growth. Root zone depth influences soil |
| | | | | productivity significantly. Soil component horizon criteria for root-limiting depth include: |
| | | | | presence of hard bedrock, soft bedrock, a fragipan, a duripan, sulfuric material, a dense layer, |
| | | | | a layer having a pH of less than 3.5, or a layer having an electrical conductivity of more than |
| | | | | 12 within the component soil profile. If no root-restricting zone is identified, a depth of 150 |
| | | | | cm is used to approximate the root zone depth (Dobos et al., 2012). Root zone depth is |
| | | | | computed for all map unit major earthy components (weighted average). Earthy components |
| | | | | are those soil series or higher level taxa components that can support crop growth (Dobos et |
| | | | | al., 2012). Major components are those soil components where the majorcompflag = 'Yes' |
| | | | | (SSURGO component table). NULL values are presented where data are incomplete or not |
| 54 | | | | available. |

| | A | В | С | D |
|----|--|-----------|------------------|---|
| 5! | Root Zone Available Water Storage (mm) - earthy major components | rootznaws | | Root zone (commodity crop) available water storage estimate (RZAWS), expressed in mm, is the volume of plant available water that the soil can store within the root zone based on all map unit earthy major components (weighted average). Earthy components are those soil series or higher level taxa components that can support crop growth (Dobos et al., 2012). Major components are those soil components where the majorcompflag = 'Yes' (SSURGO component table). NULL values are presented where data are incomplete or not available. |
| 56 | Droughty Soil Landscapes - earthy major components | droughty | | Drought vulnerable soil landscapes comprise those map units that have available water storage within the root zone for commodity crops that is less than or equal to 6 inches (152 mm) expressed as "1" for a drought vulnerable soil landscape map unit or "0" for a nondroughty soil landscape map unit or NULL for miscellaneous areas (includes water bodies). It is computed as a weighted average for major earthy components. Earthy components are those soil series or higher level taxa components that can support crop growth (Dobos et al., 2012). Major components are those soil components where the majorcompflag = 'Yes' (SSURGO component table). NULL values are presented where data are incomplete or not available. |
| 57 | Potential Wetland Soil Landscapes | pwsl1pomu | | "Potential Wetland Soil Landscapes" (PWSL) is expressed as the percentage of the map unit that meets the PWSL criteria. The hydric rating (soil component variable "hydricrating") is an indicator of wet soils. For version 1 (pwsl1), those soil components that meet the following criteria are tagged as PWSL and their comppct_r values are summed for each map unit. Soil components with hydricrating = 'YES' are considered PWSL. Soil components with hydricrating = "NO" are not PWSL. Soil components with hydricrating = 'UNRANKED' are tested using other attributes, and will be considered PWSL if any of the following conditions are met: drainaged = 'Poorly drained' or 'Very poorly drained' or the localphase or the otherph data fields contain any of the phrases "drained" or "undrained" or "channeled" or "protected" or "ponded" or "flooded". If these criteria do not determine the PWSL for a component and hydricrating = 'UNRANKED', then the map unit will be classified as PWSL if the map unit name contains any of the phrases "drained" or "undrained" or "channeled" or "protected" or "ponded" or "flooded". For version 1 (pwsl1), waterbodies are identified as "999" when map unit names match a list of terms that identify water or intermittent water or map units have a sum of the comppct_r for "Water" that is 80% or greater. NULL values are presented where data are incomplete or not available. |
| 58 | Map Unit summed component percentage (representative value) (metadata) | musumcpct | mu_sum_comppct_r | The sum of the comppct_r (SSURGO component table) values for all listed components in the map unit. Useful metadata information. NULL values are presented where data are incomplete or not available. |
| | ¹ Dobos, R. R., H. R. Sinclair, Jr, and M. P. Robotham. 2012. National Commodity Crop Productivity Index (NCCPI) User Guide, Version 2. USDA-NRCS. Available at: ftp://ftp- fc.sc.egov.usda.gov/NSSC/NCCPI/NCCPI_user_guide.pdf. | | | |