SOUTH DAKOTA DEPARTMENT OF REVENUE

Ag Land Productivity

Property Tax Division



Productivity Formula

Average Value Per Acre =
Olympic Average Gross
Revenue Per Acre
× Landowner's Share
÷ Cap Rate

Cropland	Non-Cropland		
Landowner's	Landowner's		
Share 35%	Share 100%		

Landowner's share and the capitalization rate are both established by South Dakota Codified Law

SDSU Compiles Data from USDA/NASS for Each County

All data is county specific except commodity price

Cropland Data

For each commodity reported:

- Total planted acres for all purposes
- Total production

Non-Cropland Data

Cash rents

Example

Calculating Olympic Average

2012	2013	2014	2015	2016	2017	2018	2019
\$9.50	\$9.40	\$5.90 (lowest)	\$7.90	\$7.98	\$8.20	\$10.35 (highest)	\$9.00

8-year Olympic average throws out the low (\$5.90) and high (\$10.35) years

Remaining six years are averaged

Gross Revenue Per Acre = \$8.66

Soil Table Example

Symbol Map	Map Unit Name	Subcl Land Cap	Use Highest and Best	Slopes	Acres	Rating Final Crop	Rtg Adj Range
Oa	Onita silt loam	2c	С	0-2	1,805.9	1.000	0.852
Bo	Bon loam	2c	С	0-2	1,396.2	0.989	0.852
СрА	Clarno - Prosper	2c	С	0-3	17,653.8	0.877	0.668
BaA	Beadle loam	2s	С	0-3	1,279.2	0.785	0.609
HdA	Houdek - Dudley	2c/4s	С	0-3	103,808.6	0.696	0.508
DmA	Delmont - Enet	4s/3s	С	0-2	2,582.8	0.536	0.440
DmB	Delmont - Enet	4e/3e	С	2-6	10,402.7	0.477	0.423
Hw	Hoven - Plankinton	6s/4w	N	0-1	25,214.5	0.390	0.896
BeE	Betts - Ethan	7e/6e	N	15-40	741.8	0.240	0.511
Hv	Hoven silt loam	6s	N	0-1	8,936.7	0.198	0.896
Wp	Worthing silty clay loam, ponded	8w	N	0-1	4,607.9	0.100	0.100

Calculating Top Dollar

Weighted Soil Rating

- Mechanism used to convert the average dollar per acre to a value for the highest rated soil (Top Dollar)
- Average rating that encompasses all soils in that county
 - Soils that are more prevalent carry more weight

Average Dollar Per Acre ÷ Weighted Rating = Top Dollar

Example

Calculating the Assessed Value of a Parcel

Step 1 – DOE applies Top Dollars

Top Dollar value x individual soil rating = unit value of that soil type

Unit Map	Rating	Top Dollar	Unit Value
Crop Soils		\$1,000	
• CT	.693		\$693
• FAA	.868		\$868
• GR	1.0		\$1,000
Non Crop Soils		\$300	
• ACD	.386		\$115.80
• HC	.589		\$176.70

Calculating the Assessed Value of a Parcel

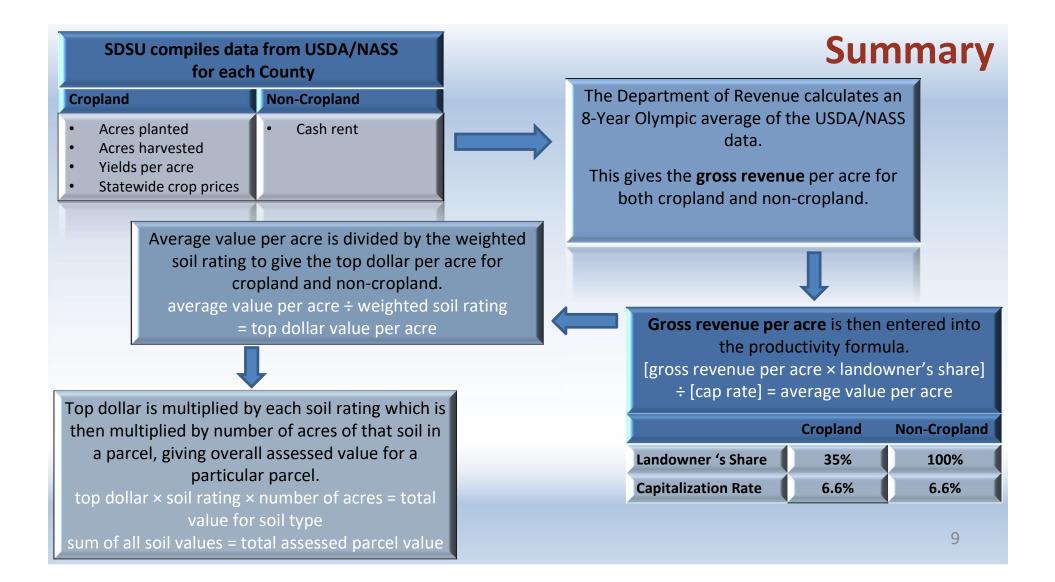
Step 2

Unit Value of soil type
x number of acres of soil type
= Total Value for soil type

Step 3

Sum of all soil type values = Total Assessed Value

Unit Map	Acres	Unit Value	Total Value
Crop Soils			
• CT	40	\$693	\$27,720
• FAA	40	\$868	\$34,720
• GR	20	\$1,000	\$20,000
Non Crop Soils			
• ACD	40	\$115.80	\$4,632
• HC	20	\$176.70	\$3,534
		TOTAL ASSESSMENT	\$90,606



New Soils Tables

Why?

Current tables are based on soil surveys from the 70's and 80's

Web Soil Survey

NRCS has been updating their data

Ag Land Task Force / Legislature

Goal is to have better data for a better system



New Soil Table Timeline

- Staff turnover
- New soils
- New process for all stakeholders
- GIS issues
- Irregularities in the data

Requires More Review

Questions?



South Dakota Department of Revenue



@SDRevenue



South Dakota DOR



Sign-up for our E-Newsletter