Snap Plus Update quick start

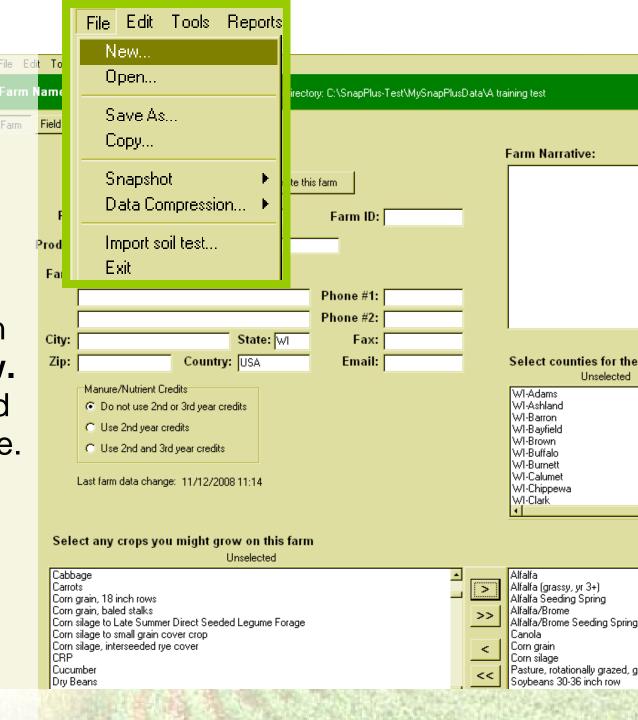
Sue Porter, DATCP 608-224-4605 Sue.porter@wisconsin.gov

Developing a plan Step 1. 2. 3.

 Install current version

http://www.snapplus.net/

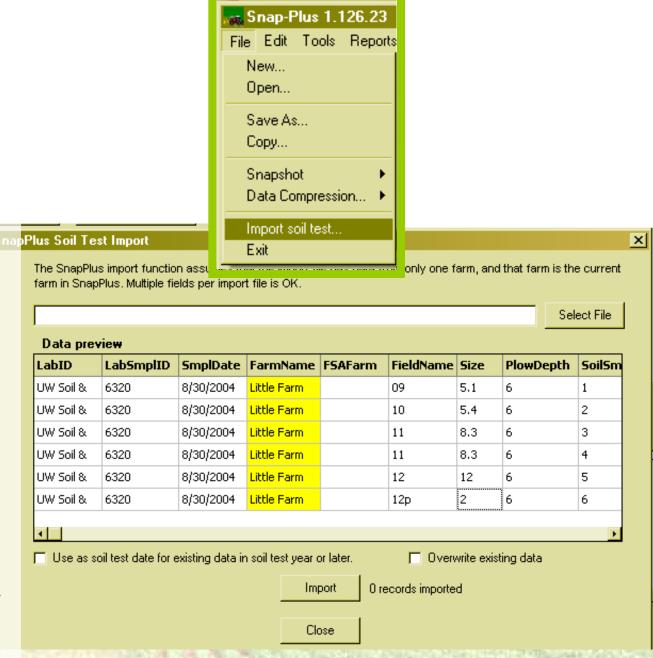
- Add new operation with File then New. Select location and name the database.
- Fill Farm Screen.
 Use 2nd year
 manure credits for
 CAFO. Excess N
 will turn red.



Developing a plan Step 4.

Import Soil Tests

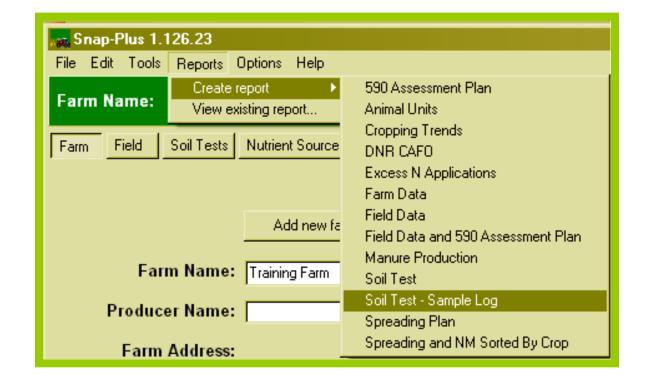
- Edit in Snap Plus farm, field, sample names to make each row unique and match map.
- Allows field names like 002 and 02 for alpha numeric order.



Developing a plan Step 4.

Export Soil Test Log

 Copies exact farm, field, acres from Snap Plus in a unique sample row.

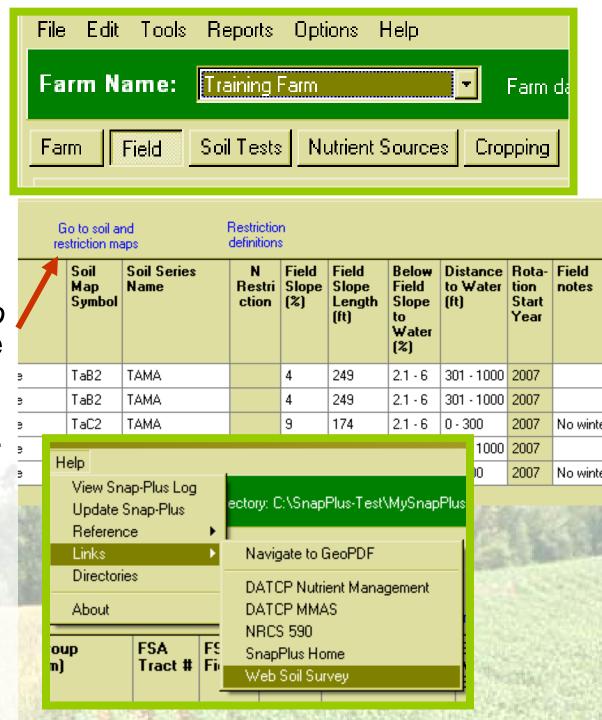


		А	В	С	D	Е	F	G
	1	Soil Test - Soi	l Sample Log					
	2							
	3	Sample Date	Farm Name	Field Tract	Field Nami	Field Size	Plow Depth	Sample ID
	4		Training Farm		109'	5.1		
	5		Training Farm	II .	109'	5.1		
	6							
	7		Training Farm		'10'	5.4		
	8		Training Farm	II .	'10'	5.4		
	9							
Ŗ	10		Training Farm	II .	'11'	8.3		
Ш	11		Training Farm	II .	'11'	8.3		
	12							
	13		Training Farm	II .	'12'	12		
	14		Training Farm	II .	'12'	12		-
ü	15		Training Farm	II .	'12'	12		9
	16							
	17		Training Farm	п	'12p'	2		
	18							i i

Developing a plan Step 5.

Field Tab

- Select field dominant critical soil type.
- Below Field Slope to Water (%) should be something other than 0-2 if slopes are greater than 6%.
- Distance to Water (ft) should be something other than 0-300 if the field is NOT next to surface water.

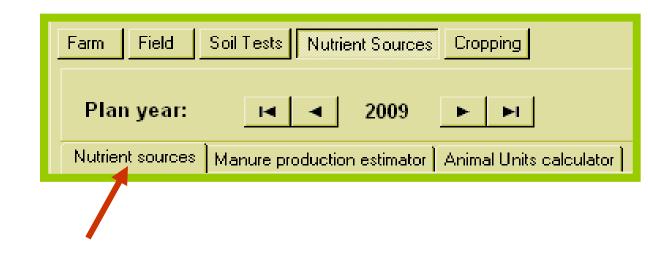


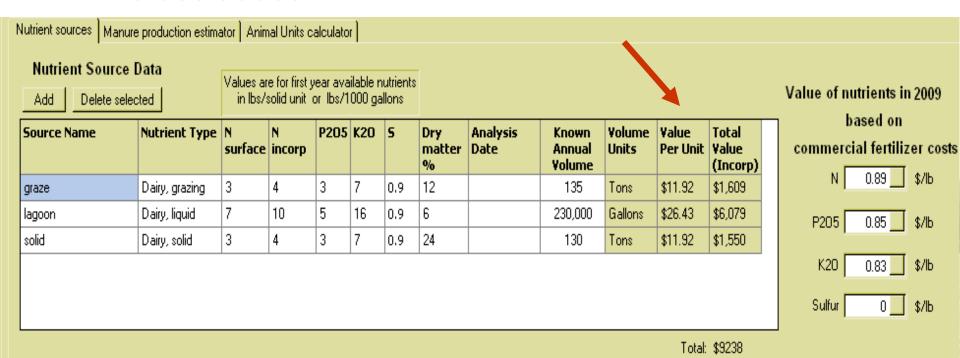
Developing a plan Step 6.

Nutrient Sources

Dry fertilizers planned

- Add manures, volumes, fertilizers
- Values added



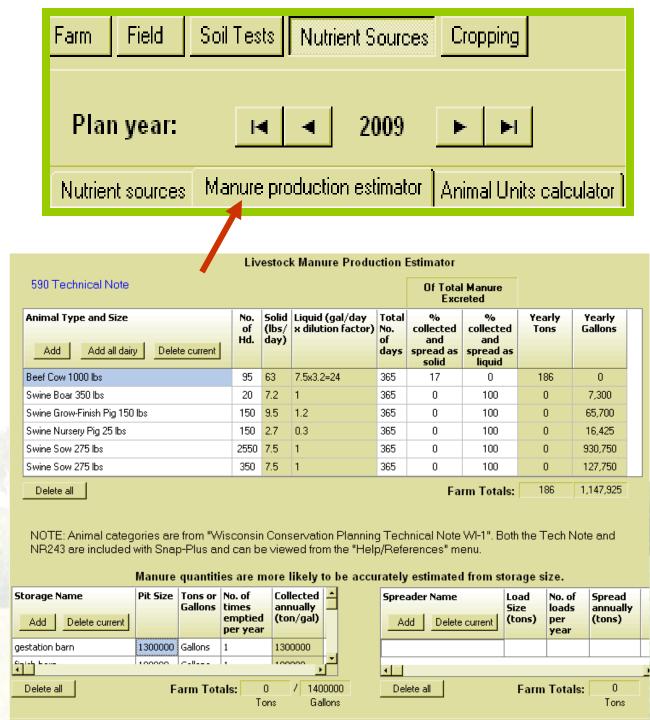


Liquid fertilizers planned

Developing a plan Step 6.

Nutrient Sources

- Manure production estimator annual volume of:
 - Animal type & size
 - Storage
 - Spreader



Developing a plan Step 6.

Nutrient Sources

- Animal Units Calculator
 - Copies from Production Est. into AU Calculator
 - Mixed Animal Units NR 243 CAFO
 - Non-Mixed AU EPA

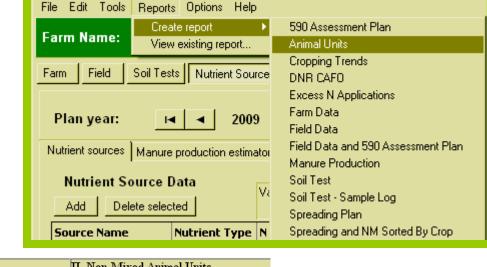


Animal Type			I. Mixed Animal Units (current NR 243 equivalencies)			II. Non-Mixed Animal Units (federal equivalencies)		
		b. Equiv. factor	c. Number of Animals	d. Equivalent Animal Units	e. Equiv. factor	f. Number of Animals	g. Equivalent Animal Units	
Example- Broilers (non-liquid manure):		0.005	150,000	750	0.008	150,000	1,200	
Dairy/Beef Calves (under 400 lbs)		0.2						
Dairy Cattle	Milking and Dry Cows	1.4			1.43			
	Heifers (800 to 1200 lbs)	1.1			1.0			
	Heifers (400 to 800 lbs)	0.6						
Beef	Steers or Cows (400 lbs to market)	1.0	95	95	1.0	95	95	
	Bulls (each)	1.4						
Veal Calves (each)		0.5			1.0			
5wine	Pigs (Up to 55 lbs)	0.1	150	15	0.1	150	15	
	Pigs (55 lbs to market)	0.4	150	60	0.4	3070	1228	
	Sows (each)	0.4	2900	1160				
	Boars (each)	0.5	20	10				
Chickens	Layers (each)-non-liquid system	0.01			0.0123			
	Broilers/Pullets (each)-non-liquid system	0.005			0.008			
	Layers or Broilers-liquid system	0.033			0.0333			
Nucks Total	Ducks (each)-liquid system Animal Units	0.2	Mixed AU =	1340	N 2	Non-Mixed AU =	1228	

Snap-Plus Animal Units Calculator Report For 2009

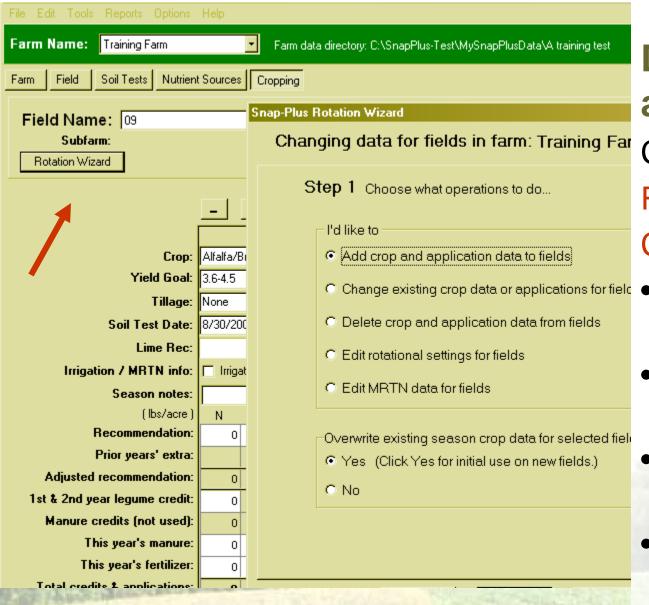
Prepared 11/7/2008

Animal Trme



Animal Type		I. Mixed Animal Units			II. Non-Mixed Animal Units				
			(current NR 243 equivalencies)			(federal equivalencies)			
			c. Number of	d. Equivalent Animal	e. Equiv.	f. Number of	g. Equiva		
		factor	Animals	Units	factor	Animals	Units		
Example- Broilers (non-liquid manure):		0.005	150,000	750	0.008	150,000	1,200		
Dairy/Bee	f Calves (under 400 lbs)	0.2							
Dairy	Dairy Milking and Dry Cows				1.43				
Cattle	Heifers (800 to 1200 lbs)	1.1			1.0				
	Heifers (400 to 800 lbs)	0.6							
Beef	Steers or Cows (400 lbs to	1.0	95	95	1.0	95	95		
	market)								
	Bulls (each)	1.4							
Veal Calve	Veal Calves (each)				1.0				
Swine	Pigs (Up to 55 lbs)	0.1	150	15	0.1	150	15		
	Pigs (55 lbs to market)	0.4	150	60	0.4	3070	1228		
	Sows (each)	0.4	2900	1160					
	Boars (each)	0.5	20	10					
Chickens	Layers (each)-non-liquid system	0.01			0.0123				
	Broilers/Pullets (each)-non-	0.005			0.008				
	liquid system								
	Layers or Broilers-liquid system	0.033			0.0333				
Ducks	Ducks (each)-liquid system	0.2			0.2				
	Ducks (each)-non-liquid system	0.01			0.0333				
Sheep (each) Horses (each)		0.018			0.018				
		0.1			0.1				
		2.0			2.0				
		0.1			0.1				
Total Animal Units			Mixed AU =	1340		Non-Mixed AU =	1228		

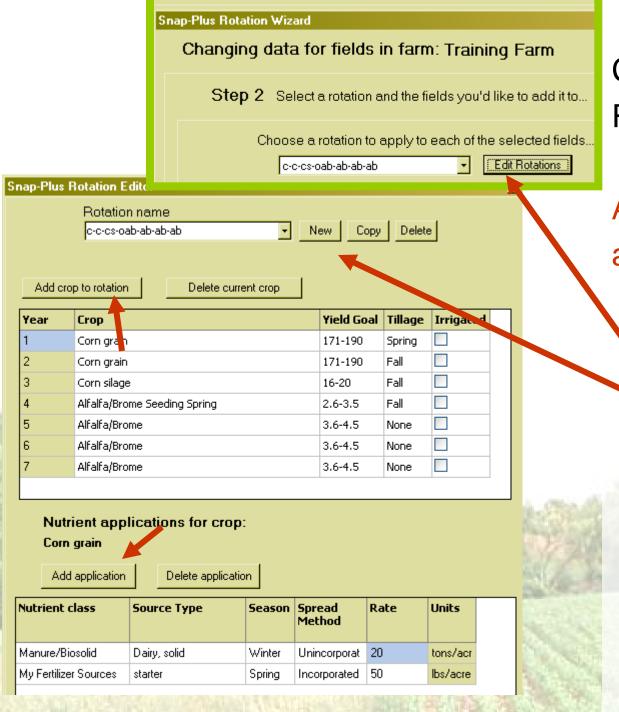
I Mircel Animal Unite



Developing a plan Step 7.

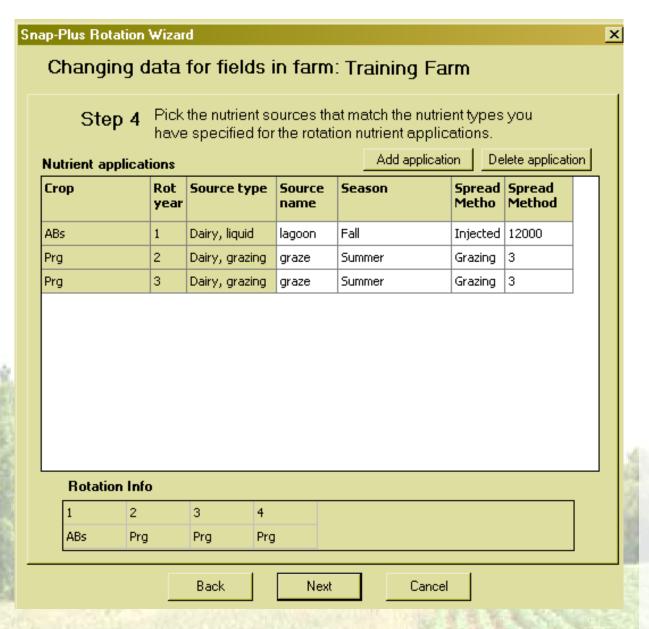
Cropping Screen
Rotation Wizard
Choose operation

- Add crops and applications
- Change crops or applications
- Delete crops or applications
- Edit rotational settings
- Edit MRTN



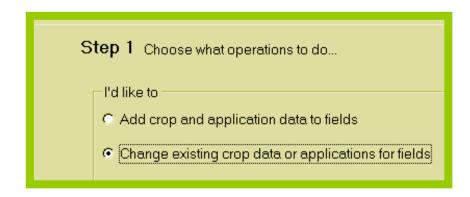
Add crops & applications

- Edit Rotations
- Select **New** to make rotation
- Add crop to rotation
- Add nutrient application(s) to the crop year



Add crops & applications

- Final application edits
- Add source name



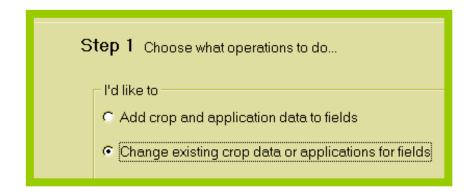
Step 2 Select the fields you'd like to change cropping data for... Change which type of data Cropping data Applications 2008 💠 Start changes with year and continue changes through year Choose which fields to include in this operation... Unselected Selected 10 11 12 13 14 15 16 17 19 20 21

Cropping Screen Rotation Wizard

Change crops or applications

Select

- Crops
- Applications
- Date range
- Select fields



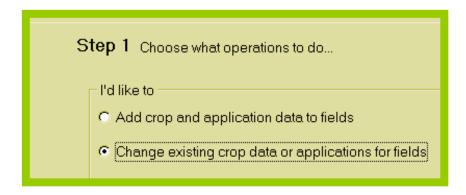
Step 3 Change application data where ... Crop is: and prior crop is and two year prior crop is Alfalfa Alfalfa Any (Check for this crop sequence in the fields and years selected) Selected years are 2008 to 2008 Change application data to ... Delete all existing applications first Delete application Add application Source class Source type Source Season Spread Rate method name Manure/Biosolid Dairy, liquid Fall Unincorporat 5000 Dairy Pit

Cropping Screen Rotation Wizard

Change Applications

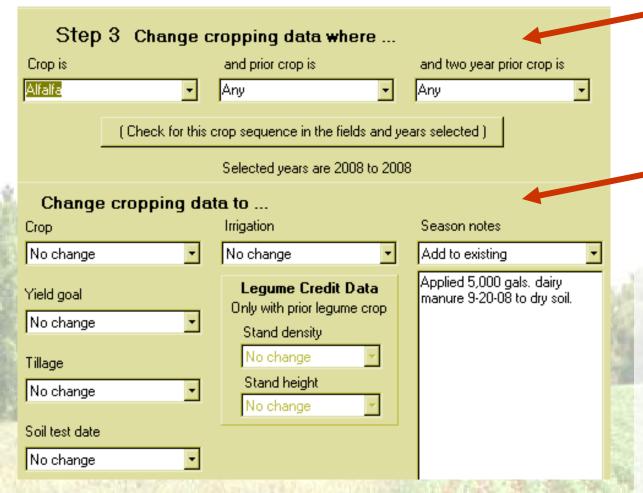
- Select current and previous crops
- Add

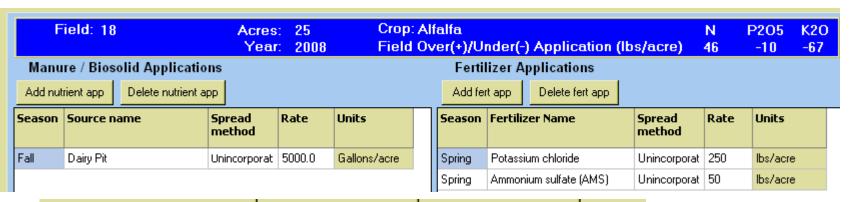
 application
 source,
 season,
 method and
 rate of
 application

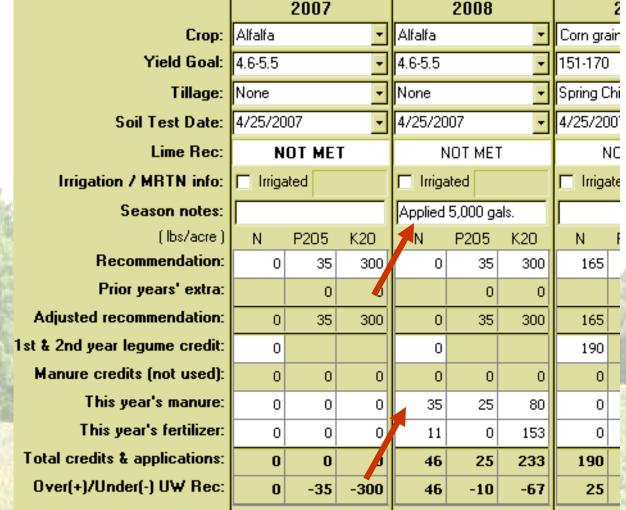


Change crops

- Select current and previous crops
 - Select the change
 Crop
 Yield Goal
 Tillage
 Soil Test Date
 Irrigation
 Legume Credit
 Season Notes



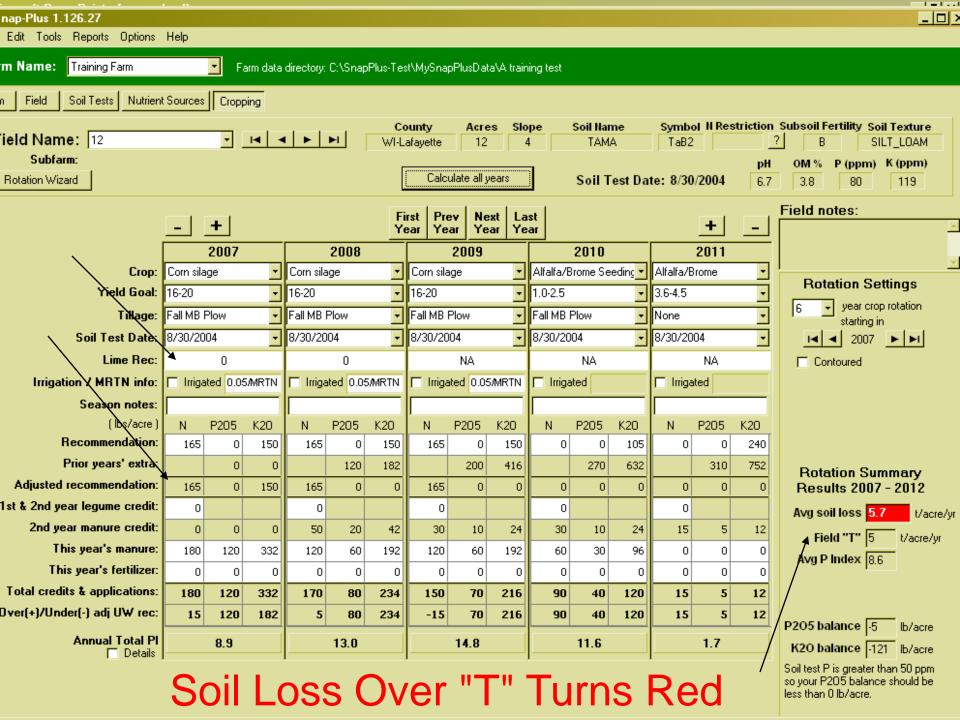




Changed

Application &

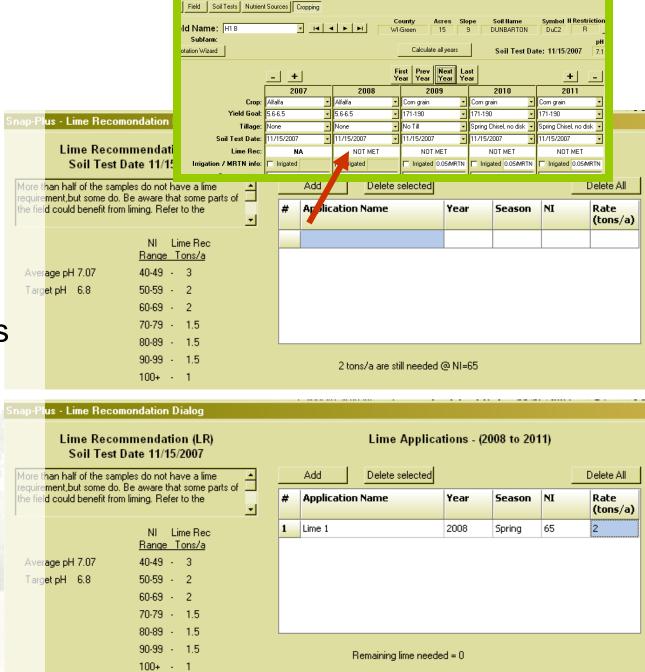
Season notes





Lime Recommendations

Add whenLime Rec. isNOT MET



Developing a plan Step 8.

Run Reports

- Soil Test Report to check the acres/sample.
- Field Data and 590 Assessment Plan
 Report to review the N excess applications,
 Pl, soil test P PPM, rotation P2O5 balance.
- Manure Production Report to show estimated manure generation by size category annually.
- Cropping Trends Report starting at the earliest year to show the manure applied annually and the acres of crops grown. Are the rotations and application working for the farm?
- Spreading and NM Sorted by Crop Report to look for consistency in nutrient applications and tillage used for the current plan year.



590 Assessment Plan Animal Units

Ariina Onio

Cropping Trends

DNR CAFO

Excess N Applications

Farm Data

Field Data

Field Data and 590 Assessment Plan

Manure Production

Soil Test

Soil Test - Sample Log

Spreading Plan

Spreading and NM Sorted By Crop