SnapPlus Application Restriction Compliance Check Report

For Years	**2009 - 2016**
Plan Year	**2016**
Reported For	**Wayside Dairy**
Printed	**2016-11-30**
Plan Completion/Update Date	**2015-02-09**
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C:\SnapPlus2\Wayside Dairy.snapDb	

Prepared for:
Wayside Dairy
attn: Dan, Paul Natzke

WPDES Permitted Farm

Manure Credits: 2nd Year
Strategy for applying manure adjacent to navigable water, conduits to navigable water or wetlands:
Annual crops: No applications within 25 ft; inject or immediatly incorporate in rest of SWQMA
Perennial crops: No applications within 100 ft.

Manure will be applied to the following fields with SWQMA and W soil restrictions:

For fields with W soil restrictions:

CAFO field areas that may have groundwater within 2 feet of surface at time of manure application will be verified prior to application for
(1) groundwater depth or
(2) presence of functioning drain tiles within all wet field areas to ensure groundwater depth is below 2 feet of surface.
These fields will have specific records of these investigations, including methods used, which will be maintained within the NMP.

Field Name / Crop Year	In SWQMA	Has W Soils	W Soil Acknowledged	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
06	Yes	No	NA		X	X		X	X	X	X	X	
08	Yes	No	NA					X	X	X	X	X	
12	Yes	No	NA			X	X	X		X	X	X	
19	Yes	No	NA				X		X	X	X	X	X
23	Yes	No	NA		X	X	X	X		X	X	X	
29	Yes	Yes	Yes						X	X	X	X	
30	Yes	Yes	Yes								X	X	

2019	2020
X	
X	X

Field Name / Crop Year	In SWQMA	Has W Soils	W Soil Acknowledged	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Brand 08	Yes	Yes	Yes						X	X	X	X	X
Brand 09	Yes	No	NA		X				X	X	X	X	
Brand 11	Yes	No	NA						X	X	X	X	X
Brand B	Yes	No	NA						X	X	X	X	X
BS	Yes	No	NA		X				X	X		X	
C4	Yes	No	NA			X		X	X	X	X	X	
C6	No	Yes	Yes					X	X	X	X	X	
ES	Yes	No	NA					X	X	X			
F2	Yes	No	NA				X	X	X	X	X		X
F3	Yes	No	NA				X	X	X	X	X		
FOY	Yes	No	NA						X	X	X	X	
FOY3 S	Yes	No	NA	X					X				
GS01,2	Yes	No	NA			X		X					
GS04	Yes	No	NA			X	X					X	
GS08	Yes	No	NA			X		X		X	X	X	
GS09	Yes	No	NA			X		X					
GS11	Yes	No	NA			X		X					
GS12	Yes	No	NA			X		X					
H6	Yes	No	NA		X			X	X	X	X	X	
HD CO-1	Yes	No	NA									X	
HD CO-2	Yes	No	NA							X	X	X	X
HD JO-1	Yes	Yes	No							X	X	X	X
HD JO-2	Yes	No	NA							X	X	X	X
HD JO-3	No	Yes	Yes							X	X		X
HD S-1	Yes	Yes	No							X	X	X	X

2019	2020
X	
X	
X	
X	
X	
X	
X	

Field Name / Crop Year	In SWQMA	Has W Soils	W Soil Acknowledged	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
HD S-2	Yes	No	NA							X	X	X	X
HD S-3	Yes	No	NA							X	X	X	X
HD ST-1	Yes	No	NA								X		
HS Z8	Yes	No	NA									X	
K2	Yes	No	NA					X					
KH1	Yes	No	NA				X		X	X	X	X	
KV1	Yes	No	NA						X	X			
KV2	Yes	No	NA						X		X		
MS1	Yes	No	NA					X	X	X	X		
MS5	No	Yes	Yes					X	X	X	X		
MS9	Yes	Yes	Yes					X	X	X	X		
MSRM1	Yes	Yes	Yes					X	X	X	X	X	X
MSRM3	Yes	Yes	Yes					X	X	X	X	X	X
Oly	No	Yes	Yes						X	X	X	X	X
R1	No	Yes	Yes							X	X	X	
RL1	Yes	Yes	Yes			X						X	
RL3	Yes	No	NA							X	X	X	
SC	Yes	Yes	Yes					X	X	X	X	X	
TH1	No	Yes	Yes								X	X	
TH2	Yes	Yes	No								X		
TO	Yes	No	NA									X	
VG1	Yes	No	NA			X			X	X			
Z1	Yes	No	NA			X		X	X	X	X	X	
Z2	Yes	No	NA			X	X	X				X	

2019	2020
X	
X	
X	
X	
X	

Field Name / Crop Year	In SWQMA	Has W Soils	W Soil Acknowledged	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Z3	Yes	No	NA			X		X				X	
	X - Fields with manure applications												

This farm uses both PI and Soil Test P for P2O5 590 Compliance

Rotational Restriction Problems

Field Name	Rotation Years	Problem
F2	2011-2018	Rotational soil loss of 3.6 exceeds T of 2
FOY	2010-2017	Rotational soil loss of 3.3 exceeds T of 3
HD CO-1	2013-2019	Rotational soil loss of 2.8 exceeds T of 2
HD CO-2	2013-2019	Rotational soil loss of 2.9 exceeds T of 2
HD CO-2	2013-2019	Soil test P is greater than 50 ppm; P2O5 balance should be less than zero lb/acre.
HD JO-2	2013-2019	Rotational soil loss of 4.3 exceeds T of 2
HD JO-2	2013-2019	Soil test P is greater than 50 ppm; P2O5 balance should be less than zero lb/acre.
HD JO-3	2013-2019	Rotational soil loss of 5.2 exceeds T of 3
HD S-3	2013-2019	Soil test P is greater than 50 ppm; P2O5 balance should be less than zero lb/acre.
Larsen	2013-2017	Rotational average PI of 7 is greater than 6
MS1	2010-2017	Rotational soil loss of 2.1 exceeds T of 2
R1	2010-2017	Rotational soil loss of 2.1 exceeds T of 2
TH1	2013-2019	Rotational soil loss of 3.1 exceeds T of 3
VG1	2010-2017	Rotational soil loss of 5.5 exceeds T of 5
Z3	2010-2017	Rotational soil loss of 3.7 exceeds T of 3

Soil Test Problems

2019	2020

Field Name	Soil Test Date	Too Few Soil Samples	Soil Test Too Old
22	2012-11-26	X	
BS	2012-11-26	X	
FOY	2012-11-26	X	
HD CO-2	2011-12-01		X
MS1	2011-11-30		X
MSRM1	2011-11-30		X
MSRM3	2011-11-30		X
OLY2	2016-11-07	X	
RL3	2012-11-21	X	
SC	2012-11-26	X	
TO	2016-07-11	X	
VG1	2014-11-19	X	

Application Restriction Problems

Field Name	Year	Problem	Explanation
01	2009	Overapplication of manure N of 57 lbs N/acre.	
04	2009	Overapplication of manure N of 54 lbs N/acre.	
04	2016	One or more applications are not compatible with 'none' or 'no till' selected on the cropping screen for 2016	Recently combined field. Sand incorporated on "B" slope portion only. "C" slope was in long-term hay no-tilled.
06	2016	Planned rate is too high for single, unincorporated liquid manure application in SWQMA. The highest rate allowed on this field with the planned level of cover and residue for a single application is 7,500 gal/acre and an application has 8,000 gal/acre.	Manure not applied in SWQMA.
08	2011	This plan uses purchased fertilizer to apply more P2O5 than is recommended for the crop rotation on this field. The soil test interpretation is Excessively High for this field. Reduce or eliminate P2O5 fertilizer on this field.	

Field Name	Year	Problem	Explanation
08	2016	Planned rate is too high for single, unincorporated liquid manure application in SWQMA. The highest rate allowed on this field with the planned level of cover and residue for a single application is 7,500 gal/acre and an application has 8,000 gal/acre.	Manure not applied in SWQMA.
10	2009	Overapplication of manure N of 78 lbs N/acre.	
10	2010	Overapplication of manure N of 22 lbs N/acre.	
10	2014	This plan uses purchased fertilizer to apply more P2O5 than is recommended for the crop rotation on this field. The soil test interpretation is Excessively High for this field. Reduce or eliminate P2O5 fertilizer on this field.	
10	2015	This plan uses purchased fertilizer to apply more P2O5 than is recommended for the crop rotation on this field. The soil test interpretation is Excessively High for this field. Reduce or eliminate P2O5 fertilizer on this field.	Cannot remove P from blend - rotation P less than required.
11	2009	Overapplication of manure N of 18 lbs N/acre.	
12	2012	Planned rate is too high for single, unincorporated liquid manure application in SWQMA. The highest rate allowed on this field with the planned level of cover and residue for a single application is 7,500 gal/acre and an application has 8,300 gal/acre.	
12	2014	This plan uses purchased fertilizer to apply more P2O5 than is recommended for the crop rotation on this field. The soil test interpretation is Excessively High for this field. Reduce or eliminate P2O5 fertilizer on this field.	
12	2015	This plan uses purchased fertilizer to apply more P2O5 than is recommended for the crop rotation on this field. The soil test interpretation is Excessively High for this field. Reduce or eliminate P2O5 fertilizer on this field.	Cannot remove P from blend - rotation P less than required.
12	2016	Planned rate is too high for single, unincorporated liquid manure application in SWQMA. The highest rate allowed on this field with the planned level of cover and residue for a single application is 7,500 gal/acre and an application has 8,000 gal/acre.	Manure not applied in SWQMA.
14	2014	This plan uses purchased fertilizer to apply more P2O5 than is recommended for the crop rotation on this field. The soil test interpretation is Excessively High for this field. Reduce or eliminate P2O5 fertilizer on this field.	
17	2014	Overapplication of manure N of 27 lbs N/acre.	
17	2015	Overapplication of manure N of 18 lbs N/acre.	Final rate higher than anticipated. Needed a dry field to apply manure.
19	2016	This field has fall or late summer N applications in excess of what is allowed for soils with a high N-leaching potential. Overapplication of 31 lbs N/acre.	Acknowledged.
20	2014	This field has fall or late summer N applications in excess of what is allowed for soils with a high N-leaching potential. Overapplication of 4 lbs N/acre.	

Field Name	Year	Problem	Explanation
21	2009	Overapplication of manure N of 28 lbs N/acre.	
21	2010	NOTE: This field has a hand-entered adjustment to the N recommendations with the following explanation: I believe (through many years of experience on this soil) that the base recommendation is too low for the yield potential of the crop.	
21	2013	This field has fall or late summer N applications in excess of what is allowed for soils with a high N-leaching potential. Overapplication of 8 lbs N/acre.	
22	2009	Overapplication of manure N of 57 lbs N/acre.	
23	2016	This plan uses purchased fertilizer to apply more P2O5 than is recommended for the crop rotation on this field. The soil test interpretation is Excessively High for this field. Reduce or eliminate P2O5 fertilizer on this field.	Minimal P2O5 part of blend. Rotation P much less than required.
25	2010	Overapplication of fertilizer N of 13 lbs N/acre.	
26	2011	This field has fall or late summer N applications in excess of what is allowed for soils with a high N-leaching potential. Overapplication of 27 lbs N/acre.	
26	2014	Overapplication of manure N of 13 lbs N/acre.	
28	2016	This plan uses purchased fertilizer to apply more P2O5 than is recommended for the crop rotation on this field. The soil test interpretation is Excessively High for this field. Reduce or eliminate P2O5 fertilizer on this field.	Minimal P2O5 part of blend. Rotation P much less than required.
29	2009	This field has fall or late summer N applications in excess of what is allowed for soils with a high N-leaching potential. Overapplication of 24 lbs N/acre.	
29	2014	Overapplication of manure N of 14 lbs N/acre.	
29	2014	This field has fall or late summer N applications in excess of what is allowed for soils with a high N-leaching potential. Overapplication of 104 lbs N/acre.	
36	2009	Overapplication of manure N of 52 lbs N/acre.	
36	2012	Overapplication of manure or fertilizer N of 55 lbs N/acre.	
Brand 08	2014	Overapplication of manure N of 17 lbs N/acre.	
Brand 08	2014	This field has fall or late summer N applications in excess of what is allowed for soils with a high N-leaching potential. Overapplication of 107 lbs N/acre.	
Brand 08	2016	This field has fall or late summer N applications in excess of what is allowed for soils with a high N-leaching potential. Overapplication of 31 lbs N/acre.	Groundwater verified. N soils acknowledged.
Brand B	2014	Overapplication of manure N of 33 lbs N/acre.	
C4	2015	NOTE: This field has a hand-entered adjustment to the N recommendations with the following explanation: Upper end of MRTN table	

Field Name	Year	Problem	Explanation
C4	2016	NOTE: This field has a hand-entered adjustment to the N recommendations with the following explanation: Upper limit of MRTN table.	
C6	2014	This field has fall or late summer N applications in excess of what is allowed for soils with a high N-leaching potential. Overapplication of 11 lbs N/acre.	
CK1	2011	Overapplication of N of 6 lbs N/acre.	
CK2	2015	This plan uses purchased fertilizer to apply more P2O5 than is recommended for the crop rotation on this field. The soil test interpretation is Excessively High for this field. Reduce or eliminate P2O5 fertilizer on this field.	
CK2	2016	This plan uses purchased fertilizer to apply more P2O5 than is recommended for the crop rotation on this field. The soil test interpretation is Excessively High for this field. Reduce or eliminate P2O5 fertilizer on this field.	Minimal P2O5 part of blend. Rotation P much less than required.
CK3	2015	One or more applications are not compatible with 'none' or 'no till' selected on the cropping screen for 2015	Manure applied after wheat prior to seeding.
CK3	2016	This plan uses purchased fertilizer to apply more P2O5 than is recommended for the crop rotation on this field. The soil test interpretation is Excessively High for this field. Reduce or eliminate P2O5 fertilizer on this field.	Minimal P2O5 part of blend. Rotation P much less than required.
CK5	2015	One or more applications are not compatible with 'none' or 'no till' selected on the cropping screen for 2015	Manure applied after wheat prior to alfalfa seeding.
CK5	2016	This plan uses purchased fertilizer to apply more P2O5 than is recommended for the crop rotation on this field. The soil test interpretation is Excessively High for this field. Reduce or eliminate P2O5 fertilizer on this field.	Minimal P2O5 part of blend. Rotation P much less than required.
ES	2013	This field has fall or late summer N applications in excess of what is allowed for soils with a high N-leaching potential. Overapplication of 1 lbs N/acre.	
ES	2014	Overapplication of manure N of 25 lbs N/acre.	Higher manure rate than expected (recommended).
ES	2014	This field has fall or late summer N applications in excess of what is allowed for soils with a high N-leaching potential. Overapplication of 50 lbs N/acre.	Higher manure rate than expected (recommended).
ES	2014	NOTE: This field has a hand-entered adjustment to the N recommendations with the following explanation: Field has high yield potential (from history).	Higher manure rate than expected (recommended).
ES	2014	Soil test P is between 100 ppm and 200 ppm and manure cannot be applied to this CAFO field because it does not have a P2O5 balance of -138 lb/acre or less.	Higher manure rate than expected (recommended).
ES	2015	NOTE: This field has a hand-entered adjustment to the N recommendations with the following explanation: Upper end of MRTN table.	No original plans on fall manure application but needed due to weather conditions.

Field Name	Year	Problem	Explanation
ES	2015	Soil test P is between 100 to 200 ppm and if manure is applied to this CAFO field, it must meet the P Index standard and a P2O5 Balance target that demonstrates soil test P drawdown over a rotation of 4 years or less. Reset CAFO P Rotation Setting to include the year of this manure application so the P2O5 Balance and P Index can be checked for a correct time period.	No original plans on fall manure application but needed due to weather conditions.
F2	2012	Planned rate is too high for single, unincorporated liquid manure application in SWQMA. The highest rate allowed on this field with the planned level of cover and residue for a single application is 7,500 gal/acre and an application has 8,200 gal/acre.	
F3	2012	Planned rate is too high for single, unincorporated liquid manure application in SWQMA. The highest rate allowed on this field with the planned level of cover and residue for a single application is 7,500 gal/acre and an application has 8,200 gal/acre.	
FOY	2010	NOTE: This field has a hand-entered adjustment to the N recommendations with the following explanation: I believe (through many years of experience on this soil) that the base recommendation is too low for the yield potential of the crop.	
FOY	2014	NOTE: This field has a hand-entered adjustment to the N recommendations with the following explanation: Upper end of MRTN table.	
FOY	2015	NOTE: This field has a hand-entered adjustment to the N recommendations with the following explanation: Upper end of MRTN table	
FOY	2016	NOTE: This field has a hand-entered adjustment to the N recommendations with the following explanation: Upper limit of MRTN table.	
GS01,2	2011	Overapplication of manure N of 46 lbs N/acre.	
GS04	2009	Overapplication of manure N of 40 lbs N/acre.	
GS08	2010	Overapplication of fertilizer N of 16 lbs N/acre.	
GS08	2011	Overapplication of manure N of 34 lbs N/acre.	
GS09	2011	Overapplication of manure N of 31 lbs N/acre.	
H6	2009	Overapplication of manure N of 14 lbs N/acre.	
HD CO-2	2015	This plan uses purchased fertilizer to apply more P2O5 than is recommended for the crop rotation on this field. The soil test interpretation is Excessively High for this field. Reduce or eliminate P2O5 fertilizer on this field.	
HD JO-1	2015	CAFOs are prohibited from applying manure when groundwater is within 24 inches of the surface.	
HD JO-1	2015	Manure application on a field which may have groundwater within 2 feet of the surface. A planner still needs to acknowledge applications will be verified in the Field Restriction for this field.	
HD JO-1	2016	CAFOs are prohibited from applying manure when groundwater is within 24 inches of the surface.	Acknowledged

Field Name	Year	Problem	Explanation
HD JO-1	2016	Manure application on a field which may have groundwater within 2 feet of the surface. A planner still needs to acknowledge applications will be verified in the Field Restriction for this field.	Acknowledged
HD S-1	2015	CAFOs are prohibited from applying manure when groundwater is within 24 inches of the surface.	
HD S-1	2015	Manure application on a field which may have groundwater within 2 feet of the surface. A planner still needs to acknowledge applications will be verified in the Field Restriction for this field.	
HD S-1	2016	CAFOs are prohibited from applying manure when groundwater is within 24 inches of the surface.	Acknowledged
HD S-1	2016	Manure application on a field which may have groundwater within 2 feet of the surface. A planner still needs to acknowledge applications will be verified in the Field Restriction for this field.	Acknowledged
HD S-2	2015	This plan uses purchased fertilizer to apply more P2O5 than is recommended for the crop rotation on this field. The soil test interpretation is Excessively High for this field. Reduce or eliminate P2O5 fertilizer on this field.	
HD S-2	2015	CAFOs are prohibited from applying manure when groundwater is within 24 inches of the surface.	
HD S-2	2015	Manure application on a field which may have groundwater within 2 feet of the surface. A planner still needs to acknowledge applications will be verified in the Field Restriction for this field.	
HD S-2	2016	CAFOs are prohibited from applying manure when groundwater is within 24 inches of the surface.	Acknowledged
HD S-2	2016	Manure application on a field which may have groundwater within 2 feet of the surface. A planner still needs to acknowledge applications will be verified in the Field Restriction for this field.	Acknowledged
HD S-2	2016	Soil test P is between 100 ppm and 200 ppm and manure cannot be applied to this CAFO field because it does not have a P2O5 balance of -110 lb/acre or less.	Acknowledged
HD S-3	2015	This plan uses purchased fertilizer to apply more P2O5 than is recommended for the crop rotation on this field. The soil test interpretation is Excessively High for this field. Reduce or eliminate P2O5 fertilizer on this field.	
HD S-3	2015	CAFOs are prohibited from applying manure when groundwater is within 24 inches of the surface.	
HD S-3	2015	Manure application on a field which may have groundwater within 2 feet of the surface. A planner still needs to acknowledge applications will be verified in the Field Restriction for this field.	
HD S-3	2016	CAFOs are prohibited from applying manure when groundwater is within 24 inches of the surface.	Acknowledged
HD S-3	2016	Manure application on a field which may have groundwater within 2 feet of the surface. A planner still needs to acknowledge applications will be verified in the Field Restriction for this field.	Acknowledged
JB	2010	NOTE: This field has a hand-entered adjustment to the N recommendations with the following explanation: Waymor soils should be classified as high yield potential. This has been proven through many years of yield verification and backed up by NRCS Soil Data Mart information.	
JB	2014	Overapplication of manure N of 17 lbs N/acre.	
K1	2011	CAFOs are prohibited from applying manure when groundwater is within 24 inches of the surface.	

Field Name	Year	Problem	Explanation
K1	2011	Manure application on a field which may have groundwater within 2 feet of the surface. A planner still needs to acknowledge applications will be verified in the Field Restriction for this field.	
K1	2013	CAFOs are prohibited from applying manure when groundwater is within 24 inches of the surface.	
K1	2013	Manure application on a field which may have groundwater within 2 feet of the surface. A planner still needs to acknowledge applications will be verified in the Field Restriction for this field.	
K1	2014	CAFOs are prohibited from applying manure when groundwater is within 24 inches of the surface.	
K1	2014	Manure application on a field which may have groundwater within 2 feet of the surface. A planner still needs to acknowledge applications will be verified in the Field Restriction for this field.	
K3	2015	One or more applications are not compatible with 'none' or 'no till' selected on the cropping screen for 2015	Manure applied after wheat prior to alfalfa seeding.
K3	2016	This plan uses purchased fertilizer to apply more P2O5 than is recommended for the crop rotation on this field. The soil test interpretation is Excessively High for this field. Reduce or eliminate P2O5 fertilizer on this field.	Minimal P2O5 part of blend. Rotation P much less than required.
K5	2015	One or more applications are not compatible with 'none' or 'no till' selected on the cropping screen for 2015	Manure applied after wheat prior to alfalfa seeding.
K5	2016	This plan uses purchased fertilizer to apply more P2O5 than is recommended for the crop rotation on this field. The soil test interpretation is Excessively High for this field. Reduce or eliminate P2O5 fertilizer on this field.	Minimal P2O5 part of blend. Rotation P much less than required.
K6	2011	Overapplication of manure N of 66 lbs N/acre.	
K6	2016	This plan uses purchased fertilizer to apply more P2O5 than is recommended for the crop rotation on this field. The soil test interpretation is Excessively High for this field. Reduce or eliminate P2O5 fertilizer on this field.	Minimal P2O5 part of blend. Rotation P much less than required.
KV2	2014	Overapplication of manure N of 12 lbs N/acre.	
KV2	2014	CAFOs are prohibited from applying manure when groundwater is within 24 inches of the surface.	
KV2	2014	Manure application on a field which may have groundwater within 2 feet of the surface. A planner still needs to acknowledge applications will be verified in the Field Restriction for this field.	
KV2	2016	CAFOs are prohibited from applying manure when groundwater is within 24 inches of the surface.	
KV2	2016	Manure application on a field which may have groundwater within 2 feet of the surface. A planner still needs to acknowledge applications will be verified in the Field Restriction for this field.	
MS1	2014	Overapplication of manure N of 19 lbs N/acre.	
MS1	2014	NOTE: This field has a hand-entered adjustment to the N recommendations with the following explanation: Field has higher yield potential.	

Field Name	Year	Problem	Explanation
MS1	2015	NOTE: This field has a hand-entered adjustment to the N recommendations with the following explanation: Field has higher yield potential.	
MS1	2016	Overapplication of manure N of 32 lbs N/acre.	Higher manure rate than anticipated. Field annually runs out of N with UW recs for this soil
MS1	2016	NOTE: This field has a hand-entered adjustment to the N recommendations with the following explanation: Upper limit of MRTN table. Field has high yield potential.	Higher manure rate than anticipated. Field annually runs out of N with UW recs for this soil
MS5	2014	This field has fall or late summer N applications in excess of what is allowed for soils with a high N-leaching potential. Overapplication of 16 lbs N/acre.	
MS5	2014	NOTE: This field has a hand-entered adjustment to the N recommendations with the following explanation: Field has higher yield potential.	
MS5	2015	Overapplication of manure N of 12 lbs N/acre.	
MS5	2015	NOTE: This field has a hand-entered adjustment to the N recommendations with the following explanation: Field has higher yield potential	
MS5	2016	Overapplication of manure N of 12 lbs N/acre.	Field annualy runs short of N based on UW recs for this soil. Fall N rate acknowldged.
MS5	2016	This field has fall or late summer N applications in excess of what is allowed for soils with a high N-leaching potential. Overapplication of 36 lbs N/acre.	Field annualy runs short of N based on UW recs for this soil. Fall N rate acknowldged.
MS5	2016	NOTE: This field has a hand-entered adjustment to the N recommendations with the following explanation: Upper limit of MRTN table and field has high yield potential (history).	Field annualy runs short of N based on UW recs for this soil. Fall N rate acknowldged.
MS9	2014	This field has fall or late summer N applications in excess of what is allowed for soils with a high N-leaching potential. Overapplication of 16 lbs N/acre.	
MS9	2014	NOTE: This field has a hand-entered adjustment to the N recommendations with the following explanation: Field has higher yield potential.	
MS9	2015	NOTE: This field has a hand-entered adjustment to the N recommendations with the following explanation: Field has higher yield potential	
MS9	2016	Overapplication of manure N of 14 lbs N/acre.	Corn runs out of N annually on this soil based on UW recs. Fall N rate acknowledged.

Field Name	Year	Problem	Explanation
MS9	2016	This field has fall or late summer N applications in excess of what is allowed for soils with a high N-leaching potential. Overapplication of 45 lbs N/acre.	Corn runs out of N annually on this soil based on UW recs. Fall N rate acknowledged.
MS9	2016	NOTE: This field has a hand-entered adjustment to the N recommendations with the following explanation: Upper limit of MRTN table and field has much higher yield potential.	Corn runs out of N annually on this soil based on UW recs. Fall N rate acknowledged.
MSRM1	2014	This field has fall or late summer N applications in excess of what is allowed for soils with a high N-leaching potential. Overapplication of 45 lbs N/acre.	
MSRM1	2014	NOTE: This field has a hand-entered adjustment to the N recommendations with the following explanation: Field has higher yield potential.	
MSRM1	2015	Overapplication of manure N of 16 lbs N/acre.	
MSRM1	2015	NOTE: This field has a hand-entered adjustment to the N recommendations with the following explanation: Field has higher yield potential	
MSRM1	2016	NOTE: This field has a hand-entered adjustment to the N recommendations with the following explanation: Upper limit of MRTN table and field has high yield potential.	
MSRM3	2014	This field has fall or late summer N applications in excess of what is allowed for soils with a high N-leaching potential. Overapplication of 48 lbs N/acre.	
MSRM3	2015	This field has fall or late summer N applications in excess of what is allowed for soils with a high N-leaching potential. Overapplication of 36 lbs N/acre.	Missed field as N-restricted - rate got too high.
Oly	2015	This field has fall or late summer N applications in excess of what is allowed for soils with a high N-leaching potential. Overapplication of 25 lbs N/acre.	Missed field as N-restricted trying to get maximum volumes hauled.
Oly	2016	This field has fall or late summer N applications in excess of what is allowed for soils with a high N-leaching potential. Overapplication of 48 lbs N/acre.	Manure rate higher than anticipated.
R1	2016	This field has fall or late summer N applications in excess of what is allowed for soils with a high N-leaching potential. Overapplication of 35 lbs N/acre.	Small portion of field.
RL1	2011	Overapplication of manure N of 17 lbs N/acre.	
RL1	2011	This field has fall or late summer N applications in excess of what is allowed for soils with a high N-leaching potential. Overapplication of 57 lbs N/acre.	
RL3	2015	NOTE: This field has a hand-entered adjustment to the N recommendations with the following explanation: Upper end of MRTN table	
TH1	2016	This field has fall or late summer N applications in excess of what is allowed for soils with a high N-leaching potential. Overapplication of 11 lbs N/acre.	Acknowledged
TH1	2016	NOTE: This field has a hand-entered adjustment to the N recommendations with the following explanation: Upper end of MRTN table.	Acknowledged

Field Name	Year	Problem	Explanation
TH2	2016	NOTE: This field has a hand-entered adjustment to the N recommendations with the following explanation: Upper end of MRTN table.	
TH2	2016	CAFOs are prohibited from applying manure when groundwater is within 24 inches of the surface.	
TH2	2016	Manure application on a field which may have groundwater within 2 feet of the surface. A planner still needs to acknowledge applications will be verified in the Field Restriction for this field.	
VG1	2014	Overapplication of manure N of 32 lbs N/acre.	Unsure of how rate got so high (not recommended).
VG1	2015	Planned unincorporated application in SWQMA is not likely to have 30% canopy cover or residue for runoff reduction, and no filter strips or cover crops are planned.	
VG4	2011	Overapplication of manure N of 28 lbs N/acre.	
Z3	2010	Overapplication of fertilizer N of 18 lbs N/acre.	

Excess N Problems

10	2010
19	2016
21	2013
26	2011, 2014
36	2012
Brand B	2014
CK1	2011
GS01,2	2011
GS09	2011
K6	2011
MS1	2014, 2016
MS9	2014, 2016
MSRM3	2014, 2015
R1	2016
TH1	2016
VG4	2011

17	2014, 2015
20	2014
25	2010
29	2014
Brand 08	2014, 2016
C6	2014
ES	2013, 2014
GS08	2010, 2011
JB	2014
KV2	2014
MS5	2014, 2015, 2016
MSRM1	2014, 2015
Oly	2015, 2016
RL1	2011
VG1	2014
Z3	2010

Soil Test Problems Legend	
Too Few Soil Samples	Less than one sample per five acres.
Soil Test Data Too Old	Soil test is greater than 4 years old