

Conservation Compliance Requirements

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WISCONSIN DEPARTMENT OF AGRICULTURE, TRADE AND CONSUMER PROTECTION

2025

YOU HAVE A NUTRIENT MANAGEMENT PLAN...WHAT DOES THAT MEAN?

Agreeing to meet certain conservation standards.

- Meet tolerable soil loss on each field (minimize erosion)
- Maintain an average Phosphorus Index of 6 or less on each field (Reduce potential of phosphorus reaching surface waters)
- Follow UW fertility recommendations
- Follow requirements for surface and groundwater protection
 - Manure application prohibited areas







Wisconsin's Nutrient Management Software

snapplus.wisc.edu

CALCULATIONS WITHIN SNAPPLUS:

UNDERSTANDING THE EQUATIONS RUNNING BEHIND THE SCENES IN SNAPPLUS



RUSLE 2

Revised Universal Soil Loss Equation 2

Daily time-step version of USLE

Erosion ton/acre/yr = R x K x LS x C x P

- R= Erosivity
- K= Soil erodibility
- LS = Slope % and length
- C = Crop and tillage (management)
- P= Practices (e.g. contouring, terraces)



WHAT GOES INTO THE C FACTOR?





- Canopy cover (vegetation that intercepts raindrops)
- Ground cover (reduces waterdrop impact and runoff)
- Surface roughness (increasing infiltration, deposition, slows runoff)
- Ridge height (ridges parallel to flow lead erosion, cross flow increase deposition)
- Soil biomass (live and dead roots, buried residue)
- Soil consolidation (soil becomes less erodible over time after disturbance)
- Tillage (frequency and amount of soil disturbance)
- % Surface disturbance (more disturbance greater chance for erosion)



T=TOLERABLE SOIL LOSS:

- Manage on-farm soil erosion
 - Help reduce soil loss to tolerable levels (T)
 - T=Tolerable Soil Loss
 - T levels are based on soil type
 - Range from I-5 tons/acre/year

Symbol: K	nB	SIC	ope: 4	4.0			
Texture: Si	It Loa	am					
Rota	tior	n Se	ttin	gs			
Start 202	21 韋	Ye	ears	5	•		
Contouring	-	Fil	ter Ar	ea			
None		۲	Non	в			
On cont	our	0	O Designed,				
		-	Desi	anec	1		
Sup cro	p	0	in fie	ld			
<u>Summ</u>	ary	0 202	in fie	id 202	<u>5</u>		
Sup cro Summ Avg soil lo	ary ss	202 4.	in fie 1 to	eld 202 t/ac	<u>5</u> :/yr		
Summ Summ Avg soil lo Field	ary ss 'T"	202 4. 3	in fie	eld 202 t/ac t/ac	5 :/yr :/yr		
Sup cro Summ Avg soil lo Field ' Avg P Ind	ary ss 'T"	202 4. 3 4	in fie	eld 202 t/ac t/ac	5 :/yr :/yr 0.2		
Sup cro Summ Avg soil lo Field ' Avg P Ind	ary ss 'T" lex P20	202 4. 3 4 05	in fie 1 to 1 SC K2O	t/ac t/ac	5 c/yr c/yr 0.2		
Supperd Summ Avg soil lo Field ' Avg P Ind Removal	ary ss 'T'' [lex [P20 30	202 4. 3 4 05 5	in fie 1 to 1 SC K2O 305	eld 202 t/ac t/ac 1	5 :/yr :/yr 0.2		



WHAT CAN WE DO TO MEET T?



PHOSPHORUS (P) INDEX

Estimate the average amount of phosphorus delivered to surface water through runoff and erosion (lbs/A/yr)

•
yr
yr
2
/ac

Dominant critical soil details:



WISCONSIN P INDEX



Annual "field-edge" runoff losses estimated for each crop year: Sediment-bound P Dissolved P from soil Dissolved P from manure and fertilizer

х

Total P field to stream delivery ratio applied to account for P deposition and infiltration: assumes channelized flow similar to a grassed waterway

=

Annual P delivery to stream (P Index)



P205 BALANCE

P205 removal shows the expected crop removal across the rotation

P205 Balance represents the difference between the total application and the crop removal over the rotation

Positive balance indicates that soil P concentrations are likely rising

Negative balance indicates that soil P concentrations may be going down over the rotation





WHAT CAN WE DO TO ACHIEVE A GOOD PI?



- Do not apply nutrients to frozen soils
- Nutrient applications should not exceed soil test recommendations to prevent building soil P.

Optimum Soil P <u>Levels</u>

Applications

• Removal of crop biomass can reduce soil test P levels over time





SOIL CONDITIONING INDEX (SCI)

Rotation Settings									
Start 202	2	۱ [/ears	-					
Contouring		E	ilter Ar	ea					
None) None	e					
	our	O Designed, field edge							
Strip cro	p	C	Desi in fie	igne eld	ed,				
Summ	ary	<u>20</u> 2	22 to	20	24				
Avg soil lo	SS	1.6 t/			ac/yr				
Field '	· · · · ·	5 t			-				
riciu	. L .		5	U a	ac/yr				
Avg P Ind	ex [1	s S		0.3				
Avg P Ind	ex [P20	1	5 SC K20		0.3				
Avg P Ind Removal	P20	1 05 0	5 K2O 190		0.3 Ib/ac				
Avg P Ind Removal Balance	P20	1 05 0	5 K20 190 -7		0.3 Ib/ac Ib/ac				

P2O5 balance target is needed.

- SCI predicts the impact of a cropping system on surface soil organic matter (SOM)
- What impacts SCI?
 - Organic matter going back into the soil
 - Effect of field operations on organic matter breakdown (this is where the STIR comes in)
 - Erosion



HOW DO WE IMPROVE OUR SCI?

• Manures

Organic

Additions

- Composts
- Organic byproducts





HOW TO REVIEW A NUTRIENT MANAGEMENT CHECKLIST



WISCONSIN DEPARTMENT OF AGRICULTURE, TRADE AND CONSUMER PROTECTION

SNAPPLUS 20 NM8 CHECKLIST REPORT



ARN-LWR-100 door (REV_0022/17)				n. Make no untreated manure applications to areas within 1000' of a community potable water well or within 100' of a							
Wisconsin Densimment of Agriculture Trade and Consumer Protection				non-community potable water well (ex. church, school, restaurant) unless manure is treated to substantially the inate							
A second Department of Agginetizate, inster and consumer Florectuon				pathogens. Dialik							
I Marin B Division of Agricultura Ausource standigement				 Make no manure applications to areas locally delineated by the Land Conservation Committee or in a conservation of the second second second second second second second second second second sec							
Use mis form to check mitment manage	ement (1 5 500 S	NM) pi	ans	plan as areas contributing funori to direct conduits to groundwater unless manure is substantially buried within 24 hours of application							
PO Box 8911, Madison WI 55708-8911, Phone: 008-224-4005	5-590 5	ancare		n Make no applications of late summer or fall commercial N fertilizer to the following areas LINEESS needed for							
Nutrient Management Checklist Wis. Stat. §92.05(3) (k), Wis. Admin. Code §ATCP50.	.04(3)	and Ci	h. 51	establishment of fall seeded crops OR to meet A2809 with a blended commercial fertilizer. Commercial fertilizer N applications shall not exceed 36 lbs. N/acre on:							
COUNTY DATE PLAN SUBMITTED GROWING SEASON YEAR PLAN IS WRITTEN FOR //from barrest	to harv	ect)		 Sites vulnerable to N leaching PRW Soils (P=high permeability, R= bedrock < 20 inches, or W= wet < 12 inches to apparent water table); 							
				 Soils with depths of 5 feet or less to bedrock; 							
TOWNSHIP: (1. N.) RANGE: (R. E., W). CHECK ONE:Initial Plan orUpdated	Plan			 Area within 1,000 teet of a community potable water well. On P soile, when commercial N is applied for full search graphs in spring and summer, follow A2809 and apply one of 							
NAME OF FARM OPERATOR RECEIVING NM PLAN FARM NAME (OPTIONAL) BUSINESS F	PHONE			the following:							
	-			1. A split or delayed N application to apply a majority of crop N requirement after crop establishment.							
STREET AUDRESS CITY STATE	219			2. Use a nitrification inhibitor with ammonium forms of N.							
REASON THE PLAN WAS DEVELOPED. Click and choose			TED	3. Use slow and controlled release fertilizers for a majority of the crop N requirement applied near the time of planting.							
(Ordinance NR 243 WPDES or NOD DATCP-EP or cost thare (rs) DNR-rs USDA-rs Other)	SOWNE	D & REF	VIED)	q. Limit manure applications in late summer or fall using the lesser of A2809 or the following 590 rates on PRW Soils.							
				P and R soils on all cross, except annual cross. Additionally, manure with $\leq 4\%$ dry matter (DM) wait until after soil temp.							
RENTED FARM(S) LANDOWNER NAME(S) AND ACREAGE: add sheet(s) if needed				< 50°F or Oct. 1, and use either a nitrification inhibitor OR surface apply and do not incorporate for at least 3 days.							
				W soils or combo. W soils on <u>all crops</u> . Additionally, manure with $\leq 4\%$ DM on <u>all crops</u> use at least one of the following:							
WAS THE PLAN WRITTEN IN SNAPPLUS? YES NO If yes, which software version, if known?				 Use a nitrification inhibitor; Apply on an established cover crop, an overwintering annual, or perennial crop; Established cover crops within 14 days of analysisment of an annual or annua							
Check PLANNER'S QUALIFICATION: CITICS and Choose. (1 NAICC/2001 2 ASALODA 3 SSSLSsil Scientific & DATCP approval training course 5. Other approval by DATCP)				5. Establish a cover crop within 14 days of application, 4. Surface apply & don't incorporate for at least 5 days, 5. Wait until after soil term < 50° For Oct 1							
[1: Nete of or 1: Net on y 1: 2004 on 2004 contrast, w Deter approved d'arring contrast, 1: other approved by Deter y			_	Use ≤ 90 lbs. available N/acre on:							
First Name Last Name	-			P and R soils on <u>annual crops</u> wait until after soil temp. < 50°F or Oct. 1. Additionally, manure with ≤ 4% DM use either a							
				nitrification inhibitor OR surface apply and do not incorporate for at least 3 days.							
STREET AUDRESS UTT STATE				w sons or combination w sons receiving manure with 5 4% bit on an unstant applications within Surface Water Quality							
				A set of the former of the following practices of non-informations for an interference approximations within a surface water Quarty Management Area (SWOMA) = 1000° of lakes/nonds or 30° of ivers: 1. Maintain > 30% cover after nutrient applications:							
Use header sections to add comments. Mark NA in the shaded sections if no manure is applied.				2. Effective incorporation within 72 hours of application; 3. Establish crops prior to, at, or promptly following							
 Does the plan include the following nutrient application requirements to protect surface and groundwater? 				application; 4. Install/maintain vegetative buffers or filter strips; 5. Have at least 3 consecutive years no-till for							
	Ver	Ne	NIA	applications to fields with < 30% residue (silage) and apply nutrients within 7 days of planting.							
In a section applies to pelos and pastures. If no monure is applied, check VA for I.C., I.n., I.I., I.A., I.Q., I.S.				s. Limit mechanical applications to 12,000 gals/acre of unincorporated liquid manure or organic by-products with 11% or							
a. Determine field nutrient levels from soil samples analyzed by a DATCP certified laboratory.				less dry matter where subsurface drainage is present OR within SWQMA. Wait a minimum of 7 days between							
within the last 4 years according to 590 Standard (590) and UWEX Pub. A 2809 Nutrient Analistication Suidelines for Field	a la			sequencial applications Alvo use one of more of the plactice options of non-mozen sons listed in 1.1.1. through 1.1.5.							
Vegetable, and Fruit Crops in Wisconsin (A2809) typically collecting 1 sample per 5 acres of 10 cores. Soil tests are not				of all mechanically applied manure or organic by-products? This section doesn't apply to winter gleaning/pasturing meeting 590 N gi							
required on pastures that do not receive mechanical applications of nutrients if either of the following applies:											
 The pasture average stocking rate is one animal unit per acre or less at all times during the grazing season. The pasture is writter grazed or stocked at an average stocking rate of more than one animal unit per acre during the 	he			If no manure is applied, check NA for 2.a. through 2.g							
erazing season, and a nutrient management plan for the pasture complies with 590 using an assumed soil test				a. Identify manure quantities planned to be spread during the winter, or the amount of manure gener Cardian (3)							
phosphorus level of 150 PPM and organic matter content of 6%.				Wildontéeven is greater. For admy name systems, assume 1/5 of the manufactor administrative with received operation.							
c. For livestock siting permit approval, collect and analyze soil samples meeting the requirements above in 1. b.,				storage does not exist.							
excluding pastures, within 12 months or approval and revise the nutrient management plan accordingly. Until then,				c. Show on map and make no applications within the SWOMA.							
1. Assume soil test phosphorus levels are greater than 100 ppm soil test P, OR		-		d. Show on man and make no surface applications of liquid manure during February and March where Silurian dolomite							
Use preliminary estimates analyzed by a certified DATCP laboratory with soil samples representing > 5 ac/sample.				is within 60 inches of the soils surface OR where DNR Well Compensation funds provided replacement water supplies							
d. Identify all fields' name, boundary, acres, and location.				for wells contaminated with livestock manure.							
e. Use the field's previous year's legume credit and/or applications, predominant soil series, and realistic yield goals to				e. Show on map and make no applications of manure within 300 feet of direct conduits to groundwater.							
determine the crop's nutrient application rates consistent with A2809 for ALL forms of N, P, and K.				f. Do not exceed the P removal of the following growing season's crop when applying manure. Liquid manure							
f. Make no winter applications of N and P fertilizer, except on grass pastures and winter grains.			Ш	applications are initiate to 7,000 grace. All whiter manute applications are not to exceed 60 lbs. of P2O5/acre.							
g. Document method used to determine application rates. Nutrients shall not runoff during or immediately after				g. wrake no applications of manure to fields with concentrated flow channels unless using two of the following: 1. Contour huffer strips or contour strip cronning: 2. Leave all cron recidue and no fall tillage: 3. Apply manure in intermittent							
eppression.				strips on no more than 50% of field; 4. Apply manure on no more than 25% of the field waiting a minimum of 14 days between							
n. identity in the plan that adequate acreage is available for manure produced and/or applied.				applications; 5. Reduce manure app. rate to 3,500 gal. or 30 lbs. P2O5, whichever is less; 6. No manure application within 200 feet							
I. Apply a single phosphorus (P) assessment using either the P Index or soil test P management strategy to all fields within a tract when fields receive manure or organic by-products during the crop rotation.				of all concentrated flow channels; 7. Fall tillage is on the contour and slopes are lower than 6%.							
i the semalate and set there and the field's side of an inchester determine that the destination in the set of	-			accessible fields are available for winter spreading AND two of the options 2.1. through 2.5. are used.							
j. Use complete crop rotations and the field's critical soil series to determine that sneet and fill erosion estimates will no exceed tolerable soil loss (T) rates on fields that receive putrients				I certify that the plan represented by the answers on this checklist complies with Wisconsin's NRCS 2015-590 NM Standard or is oth							
k like contours: reduce tillage: adjust the crop rotation; or implement other practices to prevent enhanced eracion; or	nd I										
maintain perennial vegetative cover to prevent reoccurring gullies in areas of concentrated flow.	۳Þ	lan	1R								
I. Make no nutrient applications within 8' of irrigation wells or where vegetation is not removed.	16	br		uuaimen NM pianner signature NAICC-Certified Professional Crop Consultant, ASA-Certified Crop Adviser, or SSSA-Soil Scientist							
m. Make no nutrient applications within 50' of all direct conduits to groundwater, unless directly deposited by	TĽ	a									
gleaning/pasturing animals or applied as starter fertilizer to corn.	B	ıar	١K	Qualified NM farmer-planner or Authorized farm operator signature Date Signature if reviewed for quality assurance							



WISCONSIN DEPARTMENT OF AGRICULTURE, TRADE AND CONSUMER PROTECTION

receiving and understanding the plan

SECTION I. CHECKING NUTRIENT APPLICATION REQUIREMENTS TO PROTECT WATER QUALITY



If every field has soil samples entered

This section	applies to fi	ields and po	stures. If r	o manure	is applied, c	heck NA fo	or 1.c., 1.h.,	1.i., 1.n., i	1.o., 1.q., 1.	5.				Yes	No	NA
a. Determ	a. Determine field nutrient levels from soil samples analyzed by a DATCP certified laboratory.								X							
b. For field within t Vegetable require 1. The 2. The grazing phosph	 b. For fields or pastures with mechanical nutrient applications, determine field nutrient levels from soil samples collected within the last 4 years according to 590 Standard (590) and UWEX Pub. A2809, Nutrient Application Guidelines for Field, Vegetable, and Fruit Crops in Wisconsin (A2809) typically collecting 1 sample per 5 acres of 10 cores. Soil tests are not required on pastures that do not receive mechanical applications of nutrients if either of the following applies: 1. The pasture average stocking rate is one animal unit per acre or less at all times during the grazing season. 2. The pasture is winter grazed or stocked at an average stocking rate of more than one animal unit per acre during the grazing season. 2. The pasture is winter grazed or stocked at an average stocking rate of more than one animal unit per acre during the grazing season. 							X								
c. For live excludin either c 1. Assun 2. Use s	stock siti ng pastur option bel me soil te oreliminar	ng permi es, within low mayb st phosp ry estima	t approv n 12 mon de used: horus lev tes analy	al, collect ths of ap els are g zed by a	reater that certified	lyze soil d revise an 100 p DATCP la	samples the nutri pm soil te aboratory	meeting ient mar est P, Oi (with so	the requ nagement R vil sample	iremen t plan a s repre	its abo ccordi sentin	ove in 1. b., ingly. Until ng > 5 ac/sa	then, mple.			x
d. Identify	y all fields	s' name,	boundary	, acres,	and locati	ion.								X		
Soil No S Soil Too I Soil 1	Soil Test Problems NM2 Compliance Check No Soil Test Problems Soil Test Problems Soil Test Problems East than one sample per five acres. Soil Test Data Too Old Soil test is greater than 4 years old				A I 0	l l fiel ther	ds h wise	ave t bla i	oorc 1k	lers	s in Sr	арМ	` ↑ aps		T	
cres	SnapMap S	ioils Snapl	Map Features													
farm	Field Name	Field County	Field Acres	Soil Map Symbol (critical)	Soil Map Symbol predominant;	Slope	Slope Length	Below Field Slope To Water	Distance To Perennial Water	ls Locked	Notes	Field Borders	^			

9

4

4

4

16

150

200

200

200

100

2.1 - 6

2.1 - 6

2.1 - 6

2.1 - 6

2.1 - 6

1100

1200

1400W

1500N

1500SW

Sauk

Sauk

Sauk

Sauk

Sauk

8

17.1

6.2

1.6

3.8

MdC2

ScB

ScB

ScB

MdD2

ScB

ScB

ScB

ScB

ScB



MULTIPOLYGON WISCONSIN DEPARTMENT OF AGRICULIUKE, TRADE AND CONSUMER PROTECTION

MULTIPOLYGON

MULTIPOLYGON

MULTIPOLYGON

MULTIPOLYGON

301 - 1000

301 - 1000

301 - 1000

1001 - 5000

1001 - 5000

To figure out how many samples you need for a responsive field , take the acres in the field and divide by 5, then round to the nearest whole number of samples.							
36 acres × <u>1 sample </u> = <u>7.2 samples</u> 5 acres acre	Example 2: Field size = 58 acres	Example 3: Field size = 6 acres					
or $36 \div 5 = 7.2$	$58 \div 5 = 11.6$	$6 \div 5 = 1.2$					
7.2 rounds to 7	11.6 rounds to 12	1.2 rounds to 1					
7 samples are required	12 samples are required	1 sample is required					
For fields that are less than 5 acres, take 1 sample for the entire field. Strips that are smaller than 5 acres can be combined for sampling if they have the same management history.							

CALCULATING NUMBER OF SAMPLES NEEDED







State of Wisconsin

Department of Agriculture, Trade and Consumer Protection



Q

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Nutrient Management Trainings

Nutrient Management Regional Meetings

SEE FLYER HERE

Join us for the Annual Nutrient Management Regional Meetings! It's been a long time coming, but we're excited to be back together again to share knowledge, updates, tips, and tricks related to nutrient management. CEU's will be available. Don't miss out on this opportunity to learn, grow, and connect with your peers in the industry!

August 28 - Register
 9 a.m. to 12 p.m.
 Rib Mountain Municipal Use Center
 227800 Snowbird Ave., Wausau, WI 54401

August 29 - Register
 9 a.m. to 12 p.m.
 James P. Coughlin Center (CPCC)
 625 E. County Road O, Oshkosh, WI 54901

Training Resources

Online Nutrient Management Curriculum

Nutrient and Pest Management Team Map

Step by Step SnapPlus Video Tutorials

Entering Organic Byproduct Analysis in SnapPlus

Nutrient Management on Pastures

Nutrient Management Soil Sampling Guidance





Yes No

х

NA

If applications follow A2809 recommendations

e. Use the field's previous year's legume credit and/or applications, predominant soil series, and realistic yield goals to determine the crop's nutrient application rates consistent with A2809 for ALL forms of N, P, and K.

	2020		
Corn sil	lage	•	
30.1-35		•	
No Till		•	
2019-03	3-07	-	
	NOT ME	Т	In plan year:
🗌 Irrig	ated 0.	05/MRTN	
			No red flags for N in excess of recommendations
Ν	P2O5	K20	0
190	145	310	No red flags for excess N on legumes
-	0	0	
190	145	310	No orange flags for P.O. commercial fertilizer over rotation
150	-	-	140 of ange mags for 1_2O_5 commercial fer thizer over rotation
0	-	-	
88	74	155	



N applied as starter to corn should be applied at planting and placed subsurface with, or in a band in close proximity to, the seed

20

94

-51

NA

10

165

-145

10

248

58



Always because Snap won't allow

g. Document method used to determine application rates . Nutrients shall not runoff during or immediately after										
application.			<u></u>							
	Document spreader calibration methods									
	Nutrient Application Rate Documentation									
in	Document the methods used to calibrate your equipment spreading rates.									
na In I-Si	Calibration methods - Select all that apply									
1	Custom applications									
	Equipment calibration									
crc	Amount applied / Acres									
	. for									
ig er	Accept Cancel									
c	gra:									







If at least 90% of the manure produced is applied for each source in each of these 3 years

If "Known Annual Volume" or Planned applications are not entered for each of these years, the answer will be blank



WISCONSIN DEPARTMENT OF AGRICULTURE, TRADE AND CONSUMER PROTECTION

SECTION I. CHECKING NUTRIENT APPLICATION REQUIREMENTS TO PROTECT WATER QUALITY

k. Use contours; reduce tillage; adjust the crop rotation; or implement other practices to prevent ephemeral erosion; and maintain perennial vegetative cover to prevent reoccurring gullies in areas of concentrated flow.



NA

Yes No

	Field Problems				? ×	– Usually blank
1	Eiald Nama	Field prob		rod Notos		Unfixed gullies or
	1900 V Gully	v 201	9 7	Notes	d	ephemeral erosion lead to No

 Make no nutrient applications within 8' of irrigation wells or where vegetation is not removed. 		
m. Make no nutrient applications within 50' of all direct conduits to groundwater, unless directly deposited by gleaning/pasturing animals or applied as starter fertilizer to corn.		
n. Make no untreated manure applications to areas within 1000' of a community potable water well or within 100' of a non-community potable water well (ex. church, school, restaurant) unless manure is treated to substantially eliminate pathogens.		



These will always be blank. If all wells, direct conduits to groundwater, and uncropped areas are mapped, check Yes.





 Make no manure applications to areas locally delineated by the Land Conservation Committee or in a conservation plan as areas contributing runoff to direct conduits to groundwater unless manure is substantially buried within 24 hours of application.

Yes No NA

Most likely will be NA. Only Kewaunee and Manitowoc counties has this kind of locally delineated layer in SnapMaps. If do have field that intersects a locally delineated layer, will be blank





SECTION I. CHECKING NUTRIENT APPLICATION REQUIREMENTS TO PROTECT WATER QUALITY



☑
N Restricted (P,R,W soils)
P - High Permeability
☑
W - Wet <12" to Watertable

	 b. Make no applications of fate summer of fair commercial N fertilizer to the following areas oncess needed for establishment of fall seeded crops OR to meet A2809 with a blended commercial fertilizer. Commercial fertilizer N applications shall not exceed 36 lbs. N/acre on: Sites vulnerable to N leaching PRW Soils (P=high permeability, R= bedrock < 20 inches, or W= wet < 12 inches to apparent water table. Soils with depths of 5 feet or less to bedrock; Area within 1,000 feet of a community potable water well. On P soils, when commercial N is applied for full season crops in spring and summer, follow A2809 and apply one of the following: A split or delayed N application to apply a majority of crop N requirement after crop establishment. Use a nitrification inhibitor with ammonium forms of N. Use slow and controlled release fertilizers for a majority of the crop N requirement applied near the time of planting. 					
 3. Use a numeration inhibitor with anmonium forms of N. 3. Use slow and controlled release fertilizers for a majority of the crop N requirement applied near the time of planting. q. Limit manure applications in late summer or fall using the lesser of A2809 or the following 590 rates on PRW Soils. Use ≤ 120 lbs. available N/acre on: P and R soils on <u>all crops, except annual crops</u>. Additionally, manure with ≤ 4% dry matter (DM) wait until after soil temp. < 50°F or Oct. 1, and use either a nitrification inhibitor OR surface apply and do not incorporate for at least 3 days. W soils or combo. W soils on <u>all crops</u>. Additionally, manure with ≤ 4% DM on <u>all crops</u> use at least one of the following: 1. Use a nitrification inhibitor; 2. Apply on an established cover crop, an overwintering annual, or perennial crop; 3. Establish a cover crop within 14 days of application; 4. Surface apply & don't incorporate for at least 3 days; 5. Wait until after soil temp. < 50°F or Oct. 1. <u>Use ≤ 90 lbs. available N/acre on:</u> P and R soils on <u>annual crops</u> wait until after soil temp. < 50°F or Oct. 1. Additionally, manure with ≤ 4% DM use either a nitrification inhibitor OR surface apply and do not incorporate for at least 3 days. W soils or combination W soils receiving manure with ≤ 4% DM on <u>all crops</u>. 						
١M	Late summer or fall manure or organic by- Products limit rates to 90 or 120 lbs N/ac					

Application Restriction Problems

Field Nam e	Year	Problem	Explanation
1 [\$02]	2010	Overapplication of fertilizer N of 60 lbs N/acre	

No Compliance messages for applications to 590 P,W, or R soils





			Yes	No	NA
se at least one of quality Managem pplication; 2 ollowing applicati or applications to	the following practices on r ent Area (SWQMA) = 1000' of Effective incorporation with on; 4. Install/maintain vege fields with < 30% residue (si	non-frozen soils for all nutrient applications within Surface Water Takes/ponds or 300' of rivers: 1. Maintain > 30% cover after nutrient hin 72 hours of application; 3. Establish crops prior to, at, or promptly stative buffers or filter strips; 5. Have at least 3 consecutive years no-till ilage) and apply nutrients within 7 days of planting.	x		
mit mechanical a r less dry matter equential applica	pplications to 12,000 gals/a where subsurface drainage tions AND use one or more o	cre of unincorporated liquid manure or organic by-products with 11% is present OR within SWQMA. Wait a minimum of 7 days between of the practice options on non-frozen soils listed in 1.r.1. through 1.r.5.	x		
M2 Complianc	e Check on Problems				
Field Nam e	Year	Problem	xplanatio	on	





	Yes	No	Ν
a. Identify manure quantities planned to be spread during the winter, or the amount of manure generated in 14 days, whichever is greater. For daily haul systems, assume 1/3 of the manure produced annually will need to be winter applied.			
b. Identify manure storage capacity for each type applied and stacking capacity for manure ≥ 16% DM if permanent storage does not exist.			

Always blank

	Storage Name	Storage Source	Storage Type	Tons or Gallons	Maximum Allowed Storage Capacity	No. of times emptied per year	Collected Annually (tons or gallons))
•	Stack	Pack 🔹	Dairy, solid	Tons	100	3	300)

Manure produced in the winter needs to be <u>stored</u>, <u>spread</u>, or <u>grazed</u>.











When frozen or snow-covered soils prevent effective incorporation at application:



Application Restriction Problems

Field Nam e	Year	Problem	Explanation
			THENT OF AGAY.

When frozen or snow-covered soils prevent effective incorporation at application:





 Application Restriction Problems
 NM2 Compliance Check

 Field Name
 Year
 Problem
 Explanation

No problems with winter practices

[Apply Nutrient System Create Nutrient System Field Restrictions]		
Ν	Manure / Biosolid Applications 📌 - Winter Practices Grazing Est.								ng Est.				
	Source name Sease		on Spread <u>Area</u>			L	Acres applied	Rate	Units	<u>NO</u> ₃ Inh.	Actual		
	Beef Solid	•	Wi	Ŧ	Uninc	Ŧ	Sp	•	24.7	10	ton		
	Beef Solid	Ŧ	Sp	Ŧ	Uninc	Ŧ	Wi	Ŧ	1.7	10	ton		

2015 590 - Winter manure spreading practices.

Practices for fields with slope > 6%. The slope of this field is 4%. Winter spreading practices are not required but may be selected.

- a. Contour buffer strips or contour strip cropping.
- b. Leave all crop residue (this prohibits removal of silage or bedding) and no fall tillage.
- □ c. Apply in intermittent strips on no more than 50% of the field.
- d. Apply on no more than 25% of the field during each application waiting a minimum of 14 days between applicatic
 e. Reduce application rate to 3,500 gallons or 30 pounds of P205, whichever is less.
- MILLING REAL PROPERTY OF THE P

SnapPlus

Yes No NA



FARMER SIGNATURE ON CHECKLIST!!

I certify that the plan represented by the answers on this checklist complies with Wisconsin's NRCS 2015-590 NM Standard or is otherwise noted.

Qualified NM planner signature	lified NM planner signature NAICC-Certified Professional Crop Consultant, ASA-Certified Crop Adviser, or SSSA-Soil Scientist					
Qualified NM farmer-planner or A receiving and understanding the p	uthorized farm operator signature lan	Date	Signature if reviewed for quality assurance	Date		

137.15 Legal recognition of electronic records, electronic signatures, and electronic contracts.

- (3) If a law requires a record to be in writing, an electronic record satisfies that requirement in that law.
- (4) If a law requires a signature, an electronic signature satisfies that requirement in that law.





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WISCONSIN DEPARTMENT OF AGRICULTURE, TRADE AND CONSUMER PROTECTION (DATCP)