1	(b) Costs to establish permanent vegetative cover, or to provide temporary cover
2	until permanent cover is established. This may include costs for mulch, fertilizer and
3	other necessary materials.
4	(c) Preparatory shaping and smoothing operations.
5	(3) INELIGIBLE COSTS. A cost-share grant under s. ATCP 50.40 may not
6	reimburse for the costs of planting trees intended for commercial harvest.
7	(4) DESIGN, CONSTRUCTION AND MAINTENANCE. A cost-share grant under s.
8	ATCP 50.40 may not reimburse critical area stabilization costs unless all of the following
9	conditions are met:
10	(a) The critical area stabilization complies with all of the following that apply:
11	1. NRCS technical guide critical area planting standard 342.
12	2. NRCS technical guide fencing standard 382.
13	3. NRCS technical guide field border standard 386.
14	4. NRCS technical guide livestock exclusion standard 472.
15	5. NRCS technical guide mulching standard 484.
16	6. NRCS technical guide tree and shrub establishment standard 612.
17	7. NRCS technical guide sinkhole treatment standard 725.
18	(b) The landowner agrees to maintain the critical area stabilization practice for 10
19	years unless farming operations on the affected land are discontinued.
20	ATCP 50.70 Diversions. (1) DEFINITION. In this section, "diversion" means a
21	structure installed to divert excess surface runoff water to an area where it can be used,
22	transported or discharged without causing excessive soil erosion. "Diversion" includes a

10-080-10 26 10-080-00

3

4

11

14

15

16

17

channel with a supporting earthen ridge on the lower side, installed across the slope with a self-discharging and non-erosive gradient.

- (2) ELIGIBLE COSTS. A cost-share grant under s. ATCP 50.40 may reimburse any of the following costs to establish a diversion system:
- (a) Costs to install a diversion, outlet, dike or subsurface drain. Costs to install a subsurface drain may be reimbursed only if the drain is installed on sloping land where groundwater seeps to the surface and causes the land or land cover to lose its stability.
- 8 (b) Costs to install pipes, underground outlets, or other structures needed to
 9 deliver water to a ditch or dike, to promote a more even flow of water, or to protect
 10 outlets from erosion.
 - (c) Costs for leveling and filling needed to install an effective diversion system.
- 12 (d) Costs to remove obstructions, if necessary for the installation of an effective 13 diversion system.
 - (e) Costs to establish permanent vegetative cover, or to provide temporary cover until permanent cover is established. This may include costs for mulch, fertilizer and other necessary materials.
 - (f) Fencing needed to protect a diversion from livestock.
- 18 (3) INELIGIBLE COSTS. A cost-share grant under s. ATCP 50.40 may not be used
 19 to install ditches or dikes that are designed to drain or impound water for later use, or that
 20 will be a part of a regular irrigation system.
- 21 (4) DESIGN, CONSTRUCTION AND MAINTENANCE. A cost-share grant under s.
- 22 ATCP 50.40 may not reimburse any costs to establish a diversion system unless all of the
- 23 following conditions are met:

- (a) The diversion includes an adequate outlet that prevents erosion. (b) The diversion complies with all of the following that apply: 1. NRCS technical guide critical area planting standard 342. 3 2. NRCS technical guide diversion standard 362. 3. NRCS technical guide fencing standard 382. 5 4. NRCS technical guide grassed waterway standard 412. 5. NRCS technical guide lined waterway or outlet standard 468. 7 6. NRCS technical guide obstruction removal standard 500. 7. NRCS technical guide subsurface drain standard 606. 8. NRCS technical guide underground outlet standard 620. 10 11 9. NRCS technical guide wildlife upland habitat management standard 645, if habitat management is used to mitigate the loss of habitat resulting from installation of a 12
- 14 (c) The landowner agrees to maintain the diversion for 10 years unless farming
 15 operations on the affected land are discontinued.

diversion.

- ATCP 50.71 Field windbreaks. (1) DEFINITION. In this section, "field windbreak" means a strip or belt of trees, shrubs or grasses established or restored within or adjacent to a field, so as to control soil erosion by reducing wind velocities at the land surface.
- 20 (2) ELIGIBLE COSTS. A cost-share grant under s. ATCP 50.40 may reimburse the cost of planting trees, shrubs or grasses to protect farm fields from wind erosion.

1	(3) DESIGN, CONSTRUCTION AND MAINTENANCE. A cost-share grain and of si
2	ATCP 50.40 may not reimburse field windbreak costs unless all of the following
3	conditions are met:
4	(a) The windbreak is protected from destructive grazing.
5	(b) The windbreak complies with all of the following that apply:
6	1. NRCS technical guide fencing standard 382.
7	2. NRCS technical guide field windbreaks standard 392.
8	3. NRCS technical guide livestock exclusion standard 472.
9	(c) The landowner agrees to maintain the windbreak for 10 years unless farming
10	operations on the affected land are discontinued.
11	ATCP 50.72 Filter strips. (1) DEFINITION. In this section:
12	(a) "Filter strip" means an area of herbaceous vegetation that separates an
13	environmentally sensitive area from cropland, grazing land or disturbed land. "Filter
14	strip" does not include a wastewater treatment strip.
15	(b) "Wastewater treatment strip" has the meaning given in s. ATCP 50.94(1).
16	(2) ELIGIBLE COSTS. A cost-share grant under s. ATCP 50.40 may reimburse the
17	following filter strip costs:
18	(a) Permanent fencing to protect the filter strip.
19	(b) Costs to establish permanent vegetative cover in the filter strip, or to provide
20	temporary cover until permanent cover is established. This may include costs for mulch,
21	fertilizer and other necessary materials.
22	(c) Costs to shape, smooth or prepare the filter strip before establishing a
23	nermanent vegetative cover.

1	(3) DESIGN, CONSTRUCTION AND MAINTENANCE STANDARDS. A cost-share grant
2	under s. ATCP 50.40 may not reimburse filter strip costs unless all of the following
3	conditions are met:
4	(a) The filter strip complies with all of the following that apply:
5	1. NRCS technical guide critical area planting standard 342.
6	2. NRCS technical guide fencing standard 382.
7	3. NRCS technical guide field border standard 386.
8	4. NRCS technical guide filter strip standard 393.
9	5. NRCS technical guide livestock exclusion standard 472.
10	6. NRCS technical guide mulching standard 484.
11	7. NRCS technical guide riparian forest buffer standard 391.
12	(b) The landowner agrees to maintain the filter strip for 10 years unless farming
13	operations on the affected land are discontinued.
14	ATCP 50.73 Grade stabilization structures. (1) DEFINITION. In this section,
15	"grade stabilization structure" means a structure which stabilizes the grade in a channel ir
16	order to protect the channel from erosion, or to prevent gullies from forming or
17	advancing. A "grade stabilization structure" may include any of the following:
18	(a) Detention or retention structures such as dams, desilting reservoirs, sediment
19	basins and debris basins.
20	(b) Related structures such as channel linings, chutes, drop spillways or pipe
21	drops.
22	(2) ELIGIBLE COSTS. A cost-share grant under s. ATCP 50.40 may reimburse any
23	of the following:

- (a) Costs to design, construct, repair or modify a grade stabilization structure.

 (b) Costs for leveling and filling needed to install the structure.

 (c) Costs to establish permanent vegetative cover, or to provide temporary cover
- until permanent cover is established. This may include costs for mulch, fertilizer, seed
 and other necessary materials.
- 6 (d) Costs for fencing to protect the structure.
- 7 (3) DESIGN, CONSTRUCTION AND MAINTENANCE. A cost-share grant under s.
- 8 ATCP 50.40 may not reimburse any cost related to a grade stabilization structure unless
- 9 all of the following conditions are met:

11

12

13

16

17

- (a) The department pre-approves the structure in writing if the embankment structural height is 15 to 25 feet, or the maximum storage capacity is 15 to 50 acre-feet.
- (b) The structural height does not exceed 25 feet, and the maximum storage capacity does not exceed 50 acre-feet.
- 14 (c) DNR is notified and given the opportunity to conduct a feasibility study if the
 15 structure is adjacent to a navigable stream or a stream supporting a fishery.
 - (d) The structure complies with all of the following that apply:
 - 1. NRCS technical guide critical area planting standard 342.
 - 2. NRCS technical guide diversion dam standard 348.
- 19 3. NRCS technical guide sediment basin standard 350.
- 4. NRCS technical guide diversion standard 362.
- 5. NRCS technical guide fencing standard 382.
- 6. NRCS technical guide obstruction removal standard 500.
- 7. NRCS technical guide grade stabilization structure standard 410.

1	8. NRCS technical guide grassed waterway standard 412.
2	9. NRCS technical guide lined waterway or outlet standard 468.
3	10. NRCS technical guide mulching standard 484.
4	11. NRCS technical guide subsurface drain standard 606.
5	12. NRCS technical guide underground outlet standard 620.
6	13. NRCS technical guide water and sediment control basin standard 638.
7	(e) The landowner agrees to maintain the grade stabilization structure for 10
8	years unless farming operations on the affected land are discontinued.
9	ATCP 50.74 Heavy use area protection. (1) DEFINITION. In this section,
10	"heavy use area protection" means installation of surface material to control runoff and
11	erosion in areas subject to concentrated or frequent livestock activity. "Heavy use area
12	protection" may include establishing vegetative cover, or installing surfacing materials
13	such as concrete, compacted stone and stone fragments, or geotextiles.
14	(2) ELIGIBLE COSTS. A cost-share grant under s. ATCP 50.40 may reimburse any
15	of the following costs related to heavy use area protection:
16	(a) Costs for surfacing materials in a barnyard runoff control system, manure
17	storage system or prescribed grazing system if necessary to facilitate removal of manure
18	or to protect groundwater.
19	(b) Costs for installing a permanent vegetative cover, including costs for mulch,
20	fertilizer, seed and other necessary materials.
21	(c) Costs for excavation, fill, grading and compacting.
22	(d) Costs for fencing needed to contain livestock in any barnyard runoff control

system.

ı	(5) DESIGN, CONSTRUCTION AND MAINTENANCE. IT cost shall grait and of si
2	ATCP 50.40 may not reimburse the cost of heavy use area protection unless all of the
3	following conditions are met:
4	(a) The practice complies with all of the following that apply:
5	1. NRCS technical guide critical area planting standard 342.
6	2. NRCS technical guide fencing standard 382.
7	3. NRCS technical guide heavy use area protection standard 561.
8	(b) The landowner agrees to maintain the heavy use area protection for 10 years
9	unless farming operations on the affected land are discontinued.
10	ATCP 50.75 Livestock fencing. (1) DEFINITION. In this section, "livestock
11	fencing" means either of the following:
12	(a) Excluding livestock, by fencing or other means, in order to protect an erodible
13	area or a practice under this subchapter.
14	(b) Restricting, by fencing or other means, human access to manure storage
15	structures or other practices under this subchapter which may pose a hazard to humans.
16	(2) ELIGIBLE COSTS. A cost-share grant under s. ATCP 50.40 may reimburse
17	costs for livestock fencing, including the cost of designing and installing permanent
18	fencing, gates and related devices that are necessary to protect a practice, or to prevent
19	degradation of waters of the state.
20	(3) INELIGIBLE COSTS. A cost-share grant under s. ATCP 50.40 may not
21	reimburse the costs for any of the following:
22	(a) Electric fence energizers.
23	(b) Portable fences and equipment used to contain or exclude livestock.

1	(c) Fencing, gates or other equipment used primarily for the purpose of
2	segregating, handling or feeding livestock, rather than protecting an erodible area or a
3	practice under this subchapter.
4	(4) DESIGN, CONSTRUCTION AND MAINTENANCE. A cost-share grant under s.
5	ATCP 50.40 may not reimburse livestock fencing costs unless all of the following
6	conditions are met:
7	(a) The livestock fencing complies with all of the following that apply:
8	1. NRCS technical guide fencing standard 382.
9	2. NRCS technical guide livestock exclusion standard 472.
10	(b) The landowner agrees to maintain the livestock fencing practice for 10 years
11	unless farming operations on the affected land are discontinued.
12	ATCP 50.76 Livestock watering facilities. (1) DEFINITION. In this section,
13	"livestock watering facility" means a trough, tank, pipe, conduit, spring development,
14	pump, well, or other device or combination of devices installed to deliver drinking water
15	to livestock.
16	(2) COST-SHARE ELIGIBILITY. A cost-share grant under s. ATCP 50.40 may
17	reimburse costs to establish a livestock watering facility if the livestock watering facility
18	is a necessary component of a prescribed grazing system funded under s. ATCP 50.80, or
19	if all of the following conditions are met:
20	(a) The livestock watering facility will do one of the following:
21	1. Prevent nonpoint source water pollution by replacing livestock access to a

stream or other natural drinking water source.

1	2. Water livestock that are isolated from a natural drinking water source by
2	another conservation practice under this subchapter.
3	(b) The livestock watering facility is necessary to achieve water quality
4	objectives.
5	(c) Installing the livestock watering facility is less expensive than providing
6	environmentally safe livestock access to a natural source of drinking water.
7	(3) ELIGIBLE COSTS. A cost-share grant under s. ATCP 50.40 may reimburse the
8	cost of designing and constructing a livestock watering facility.
9	(4) INELIGIBLE COSTS. A cost-share grant under s. ATCP 50.40 may not
10	reimburse costs for any of the following:
11	(a) More than one livestock watering facility when the need for more than one
12	watering facility is created by the segregation or handling of livestock within a manure
13	management system. This paragraph does not apply when the need for more than one
14	livestock watering facility is created by the segregation or handling of livestock within a
15	prescribed grazing system.
16	(b) A water supply used for purposes other than providing drinking water to
17	livestock.
18	(c) Installing a livestock watering facility if there is a less expensive way to water
19	livestock, consistent with soil and water conservation goals.
20	(5) DESIGN, CONSTRUCTION AND MAINTENANCE. A cost-share grant may not
21	reimburse the cost of establishing a livestock watering facility unless all of the following
22	conditions are met:

(a) The livestock watering facility complies with all of the following that apply:

- 1. NRCS technical guide spring development standard 574.
- 2. NRCS technical guide trough and tank standard 614.
 - 3. NRCS technical guide well standard 642.

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

- 4. NRCS technical guide pipeline standard 516.
- 5. Chapter NR 812, related to well construction and pump installation.
- 6 (b) The landowner agrees to maintain the livestock watering facility for 10 years
 7 unless farming operations on the affected land are discontinued.

gallaga, ku jewa^{na} twa leoj

- ATCP 50.77 Milking center waste control systems. (1) DEFINITIONS. In this section:
- (a) "Milking center waste" means waste water, cleaning ingredients, waste milk or other discharge from a milking parlor or milkhouse.
- (b) "Milking center waste control system" means a system of facilities or equipment designed to contain or control the discharge of milking center waste.
- (2) ELIGIBLE COSTS. A cost-share grant under s. ATCP 50.40 may reimburse any of the following costs related to a milking center waste control system:
- (a) Costs to design, construct, repair or modify a milking center waste control system, including costs for appropriate waste pretreatment, waste storage and land irrigation equipment.
- (b) Costs for conduits, pumps and related equipment required to transfer milking center wastes, provided that the equipment is designed and used for that sole purpose.
- (c) Other milking center waste control measures, approved by the department, that are needed to meet identified water quality objectives. These measures may include conservation sinks, pre-cooler water utilization systems, manifold cleaning systems, air

- injection systems, wastewater treatment strips used with appropriate waste pretreatment 1 measures, recyclable water storage and plumbing for automatic water and cleaning 2
- chemicals controls, flocculator systems, waste milk diverter valves and booster pumps for 3 parlor floor cleaning.
 - (3) INELIGIBLE COSTS. A cost-share grant under s. ATCP 50.40 may not reimburse any of the following costs related to a milking center waste control system:

6

13

17

18

19

25

- 7 (a) Costs for any system, component or practice that is not needed to correct an identified water pollution hazard. 8
- 9 (b) Buildings or modifications to buildings. This paragraph does not apply to building modifications that are essential for the installation of a milking center waste 10 control system. 11
- (c) Portable equipment for spreading milking center wastes onto land or 12 incorporating those wastes into land.
- 14 (4) DESIGN, CONSTRUCTION AND MAINTENANCE. A cost-share grant may not reimburse any costs related to a milking center waste control system unless all of the 15 following conditions are met: 16
 - (a) The system complies with all of the following that apply:
 - 1. The university of Wisconsin-extension pollution control guide for milking center waste water management (July 1994).
- **NOTE:** The UW-extension pollution control guide for milking center waste 20 water management is on file with the department, the secretary of state 21 and the revisor of statutes. Copies may be purchased from the department 22 or the university of Wisconsin-extension (UWEX Pub. No. A3592). 23 24
 - 2. NRCS technical guide wastewater treatment strip standard 635.
 - 3. NRCS technical guide waste storage facility standard 313.

1	4. NRCS technical guide manure transfer standard 634.
2	5. NRCS technical guide nutrient management standard 590 dated March, 1999.
3	(b) The landowner agrees to maintain the milking center waste control system for
4	10 years unless the milking operation is discontinued.
5	ATCP 50.78 Nutrient management. (1) DEFINITIONS. In this section,
6	"nutrient management" means controlling the amount, source, form, location and timing
7	of plant nutrient applications, including application of organic wastes, commercial
8	fertilizers, soil reserves and legumes, in order to provide plant nutrients while minimizing
9	the movement of nutrients to surface water and groundwater.
10	(2) ELIGIBLE COSTS. A cost-share grant under s. ATCP 50.40 may reimburse
11	costs for nutrient management prescribed in a nutrient management plan. A cost-share
12	grant may reimburse any of the following costs related to nutrient management:
13	(a) Costs for soil and plant nutrient testing, including residual nitrogen analysis.
14	(b) Costs for nutrient analysis of manure and other organic waste.
15	(c) Costs to develop or revise a nutrient management plan.
16	(3) DESIGN AND MAINTENANCE. A cost-share grant under s. ATCP 50.40 may not
17	reimburse nutrient management costs under this section unless all of the following
18	conditions are met:
19	(a) The nutrient management practice complies with NRCS technical guide
20	nutrient management standard 590 dated March, 1999.
21	(b) The landowner agrees to maintain the nutrient management practice in each

year for which cost-sharing is provided.

1	ATCP 50.79 Pesticide management. (1) DEFINITION. In this section,
2	"pesticide management" means controlling the storage, handling, use and disposal of
3	pesticides used in crop production in order to minimize contamination of water, air and
4	nontarget organisms.
5	(2) ELIGIBLE COSTS. A cost-share grant under s. ATCP 50.40 may reimburse
6	costs for pesticide management described in a pesticide management plan. A cost-share
7	grant may reimburse any of the following costs related to pesticide management:
8	(a) Costs for integrated pest management field scouting.
9	(b) Costs to develop or revise a pesticide management plan.
10	(c) Costs for spill control facilities, including any of the following facilities that
11	are needed.
12	1. A liquid-tight, reinforced concrete pad for a pesticide mixing area.
13	2. Water-tight walls or perimeter flow diversion structures to convey spills or
14	contaminated water from a pesticide mixing area to a sump.
15	3. Perimeter flow diversion structures needed to convey surface water away from
16	a pesticide mixing area.
17	4. A shallow sump collection area capable of storing spills, rinsate, washwater
18	and precipitation that may leak or fall on a pesticide mixing pad.
19	5. Roof structures and walls to protect a pesticide mixing area.
20	6. Pesticide mixing area approach ramps.
21	7. Water supply systems needed for a pesticide mixing area.
22	8 Sump pump alarm and recovery systems for a pesticide mixing area

1	(3) DESIGN, CONSTRUCTION AND MAINTENANCE. A cost-share grant under s.
2	ATCP 50.40 may not reimburse pesticide management costs under this section unless all
3	of the following conditions are met:
4	(a) The cost-shared practice complies with all of the following that apply:
5	1. NRCS technical guide pest management standard 595.
6	2. Pesticide mixing and loading standards under subch. VIII of ch. ATCP 29.
7	3. Standards specified by the midwest plan service in Designing Facilities for
8	Pesticide and Fertilizer Containment, MWPS-37 (first edition, 1991).
9	(b) The landowner agrees to maintain the pesticide management practice for each
10	cropping season for which cost-sharing is provided.
11	ATCP 50.80 Prescribed grazing. (1) DEFINITION. In this section, "prescribed
12	grazing" or "rotational grazing" means a grazing system which divides pastures into
13	multiple cells, each of which is grazed intensively for a short period and then protected
14	from grazing until its vegetative cover is restored.
15 16 17 18	NOTE: Prescribed grazing systems can prevent degradation resulting from other pasturing practices. Prescribed grazing systems should replace summer dirt lots when they result in water quality degradation.
19	(2) ELIGIBLE COSTS. A cost-share grant under s. ATCP 50.40 may reimburse the
20	cost of replacing animal lots or pastures, or establishing a prescribed grazing system on
21	croplands, that contribute sediments, nutrients or pesticides to a water resource. This
22	may include any of the following costs:
23	(a) The cost to establish or repair livestock access lanes and stream crossings to

, na **mains** 1994**-th**airt a Thaoig an Cumatanna ann an an an an an an an an an taoigeach an t-

prevent instability and erosion.

1	(b) The cost to establish permanent boundary and main paddock fences. This
2	may include perimeter fencing, lane fencing, portable fencing and gates.
3	(c) The cost to establish good seeding stands for pasture and hayland planting.
4	(d) The cost to establish a livestock watering facility. This may include pipeline
5	and pasture watering systems, wells, spring developments, and portable watering systems
6	such as pumps, pipes and tanks.
7	(e) The costs for practices that would remediate streambank erosion and
8	streambank habitat degradation.
9	(f) The costs for practices that would exclude livestock from woodlands,
10	sensitive wildlife habitat and recreational lands.
11	(3) DESIGN, CONSTRUCTION AND MAINTENANCE. A cost-share grant under s.
12 -	ATCP 50.40 may not reimburse prescribed grazing costs unless all of the following
13	িলাকু ক্রিক্টের প্রকর্মী হয়, শিলাকু ক্রেটিন এই প্রকর্মিক স্কর্মের স্থানির প্রথমিক উল্লেখন কর্মিক করে। conditions are met: সুক্রমান স্থানিক ক্রেটিন ক্রেটিন স্থানিক স্থানিক স্থানিক স্থানিক স্থানিক স্থানিক স্থানিক স
14	(a) The prescribed grazing practices comply with all of the following that apply:
15	1. NRCS technical guide critical area planting standard 342.
16	2. NRCS technical guide pasture and hayland planting standard 512.
17	3. NRCS technical guide pasture and hayland management standard 510.
18	4. NRCS technical guide livestock exclusion standard 472.
19	5. NRCS technical guide streambank and shoreline protection standard 580.
20	6. NRCS technical guide heavy use area protection standard 561.
21	7. NRCS technical guide prescribed grazing standard 528A.
22	8 Guidelines specified in "Wisconsin pastures for profit: a hands-on guide to

rotational grazing," published by the university of Wisconsin-extension, August 1994.

2 3 4	grazing" are on file with the department, the secretary of state and the revisor of statutes. Copies may be purchased from the department or from the university of Wisconsin-extension (UWEX Pub. No. A3529).
5	9. NRCS technical guide animal trails and walkways standard 575.
6	10. Standards for livestock watering facilities specified under s. ATCP 50.76.
7	(b) The landowner agrees to maintain the prescribed grazing system for 10 years
8	unless farming operations on the affected land are discontinued.
9	ATCP 50.81 Relocating or abandoning animal feeding operations. (1)
10	DEFINITIONS. In this section:
11	(a) "Abandonment" means discontinuing an animal feeding operation in order to
12	prevent surface water or groundwater pollution from that animal feeding operation.
13	(b) "Animal feeding operation" means a feedlot or facility, other than a pasture,
14	where animals are fed, confined, maintained or stabled for 45 days or more in any 12-
15	month period. Two or more animal feeding operations under common ownership or
16	common management constitute a single animal feeding operation if any of the following
17	apply:
18	1. The operations are adjacent.
19	2. The operations use common plans, acreage or systems to landspread manure or
20	other wastes. A strong configuration of the strong services and the strong services and the strong services and the strong services are strong services.
21	3. Manure, barnyard runoff or other wastes are commingled in a common storage
22	facility prior to landspreading.
23	(c) "Relocation" means discontinuing an animal feeding operation at one site and
24	commencing that operation at a suitable alternate site in order to minimize the amount of
:5	surface water or groundwater pollution from that animal feeding operation.

1	(2) COST-SHARE ELIGIBILITY. A cost-share grant under s. ATCP 50.40 may
2	reimburse costs incurred for the permanent relocation or abandonment of an animal
3	feeding operation if all of the following conditions are met:
4	(a) The department or the county land conservation committee finds that
5	relocation or abandonment is the most practical and cost-effective way to achieve
6	compliance with state or local regulations.
7	(b) The department approves the relocation or abandonment plan.
8	(c) The landowner agrees, in a covenant that runs with the land, that no person
9	may reestablish an animal feeding operation at that site unless the department determines
10	that the reestablished operation complies with ATCP 50.04. The department may waive
11	this requirement if the department finds that the covenant is unnecessary.
12	(d) The covenant under par. (c) is recorded in the office of the register of deeds
13	for each county in which the property is located.
14	(3) ELIGIBLE COSTS. A cost-share grant under s. ATCP 50.40 may reimburse any
15	of the following costs to relocate or abandon an animal feeding operation:
16	(a) Costs to install manure management systems and other conservation practices
17	under this subchapter at a new site, as authorized under this chapter.
18	(b) Costs to abandon and rehabilitate the current site, including costs for any of
19	the following:
20	1. Removing concrete paving, fencing, bunks, livestock housing structures,
21	livestock feeding structures and other obstructions.
22 [.]	2. Grading and establishing vegetation on the site.

3. Excluding livestock from the site.

1	4. Abandoning wells on the site.
2	(c) Costs to move buildings and other structures.
3	(d) Costs to transport animals to a site in this state that is not on the same farm,
4	up to a maximum of \$5,000.
5	(e) Costs for livestock buildings and associated facilities needed to maintain the
6	transferred livestock at the new site if all of the following apply:
7	1. The department determines that the relocation is necessary to comply with
8	ATCP 50.04 and is cost-effective.
9	2. The cost-share grant does not exceed the appraised value of the buildings and
10	associated facilities at the current site, or 70% of the costs of the replacement buildings
11	and associated facilities, whichever is less.
12	3. The relocation will not cause a violation of ATCP 50.04.
13 14 15 16	NOTE: Cost-share grants under this section are subject to the limitations specified in s. ATCP 50.42.(4) INELIGIBLE COSTS. A cost-share grant under s. ATCP 50.40 may not
17	reimburse any costs to reestablish an animal feeding operation that has been abandoned
18	under this section.
	(5) DESIGN, CONSTRUCTION AND MAINTENANCE. A cost-share grant may not
19	
20	reimburse the cost of relocating or abandoning an animal feeding operation unless all of
21	the following apply: The second and the other properties and the original and the second seco
22	(a) The relocation or abandonment complies with the technical guide standards
23	for the conservation practices in this subchapter.
24	(b) The landowner agrees to maintain the relocated operation, if any, for 10 years
25	unless farming operations on the affected land are discontinued.

1	ATCP 50.82 Residue management. (1) DEFINITION. In this section, "residue
	and the second of the second o
2	management" means any of the following:
	in Company and a missing which other structures.
-3	(a) Preparing land surfaces for the planting and growing of crop plants using
	Little of the second of the stand of the second of the sec
4	methods that result in a rough land surface which is covered in varying degrees by
_	vegetative residues of a previous crop, and which provides a significant degree of
5	are many that the first the state of the first term and the first term and the first term of the first
6	resistance to soil erosion by raindrop impact, surface water runoff or wind.
U	The state of the second of the
7	(b) Planting crop seeds in a narrow slot or a narrow strip of tilled soil, in order to
·	dine yri <mark>jatoć objecesec si po</mark> d ostep od spili sadana si, n a meno spili te
8	maintain residue cover and avoid disturbing the entire soil surface.
9	(2) ELIGIBLE COSTS. (a) A cost-share grant under s. ATCP 50.40 may reimburse
	sagi ang tili ligang alitik pengalang kacalang pangalang kasa sera ang asagi ang asal serang pangasan sering p
10	costs for any of the following residue management practices:
	aggerijā arī atsatī — tarsat — reliebratorājās at 1905. of tipu etgas i 1966. ot 1906. ot 1906.
11	1. No-till practices.
12	2. Chisel plowing.
12	2. Chisci piowing. #UR IOT has been supersum to the results and file
13	3. Disking.
••	encembrat à fit de fabilité au contant de la state de marier de la company de la compa
14	4. Till-planting practices.
15	5. Other, similar practices.
16	(b) For cost-sharing purposes, the cost of residue management practices shall be
17	based on prevailing prices charged by providers of custom residue management services
10	in the surrounding area.
18	III the surrounding area.
19	(3) INELIGIBLE COSTS. A cost-share grant may not reimburse costs for both this
• •	(5) 21.22.
20	practice and the cover and green manure crop practice for the same acreage in the same
21	year, without department approval.

. 1	(4) Design, Construction and Maintenance. A cost-share grant under s.
2	ATCP 50.40 may not reimburse residue management costs unless all of the following
3	conditions are met: তিক্তি কিন্তু ক
4	(a) Land subject to residue management is protected from erosion from the time
5	of harvest until after the next planting. Protection may be provided by a cover crop
6	residue, temporary cover or another approved practice. The residue, temporary cover or
7	other approved practice shall cover at least 30% of the land.
8	(b) On lands with slopes greater than 6%, all tillage and planting operations are
9	performed as nearly as practicable on the contour or parallel to terraces.
10	(c) The residue management complies with all of the following applicable
11	standards:
12	1. NRCS technical guide residue management, no till and strip till standard 329A
13	2. NRCS technical guide residue management, mulch till standard 329B.
14	3. NRCS technical guide residue management, seasonal standard 344.
15	(d) The landowner agrees to maintain the residue management practice for each
16	cropping season for which cost-sharing is provided.
17	ATCP 50.83 Riparian buffers. (1) DEFINITION. In this section, "riparian
18	buffer" means an area in which vegetation is enhanced or established to reduce or
19	eliminate the movement of sediment, nutrients and other nonpoint source pollutants to an
20	adjacent surface water resource or groundwater recharge area, to protect the banks of
21	streams and lakes from erosion, and to protect fish habitat.
22	(2) ELIGIBLE COSTS. A cost-share grant may reimburse any of the following
23	costs:

1	(a) Permanent fencing to protect a riparian buffer.
2	(b) Costs to establish or enhance permanent vegetative cover in a riparian buffer,
3	or to provide temporary cover until permanent cover is established. This may include
4	costs for mulch, fertilizer, seed, seedling trees and other necessary materials.
5	(c) Costs to shape, smooth or prepare the riparian buffer before establishing a
6	permanent vegetative cover.
7	(d) Costs for land removed from agricultural production to install a riparian
8	buffer.
9	(3) DESIGN, CONSTRUCTION AND MAINTENANCE STANDARDS. A cost-share grant
10	may not reimburse riparian buffer costs unless all of the following conditions are met:
11	(a) The riparian buffer system complies with all of the following that apply:
12	1. NRCS technical guide critical area planting standard 342.
13	2. NRCS technical guide fencing standard 382.
14	3. NRCS technical guide field border standard 386.
15	4. NRCS technical guide filter strip standard 393.
16	5. NRCS technical guide livestock exclusion standard 472.
17	6. NRCS technical guide mulching standard 484.
18	7. NRCS technical guide riparian forest buffer standard 391.
19	8. NRCS technical guide shoreland habitat standard 643A.
20	9. NRCS technical guide wildlife upland habitat management standard 645.
21	(b) The landowner agrees to maintain the riparian buffer for 10 years unless
22	farming operations on the affected land are discontinued.
23	ATCP 50.84 Roofs. (1) DEFINITIONS. In this section:

1 (a) "Roof" means a weather-proof covering that shields an animal lot or manure
2 storage structure from precipitation, and includes the structure supporting that weather3 proof covering. "Roof" does not include, except in the case of a manure storage
4 structure, a covering over an enclosed structure if the sum of the length of the walls of the
5 structure exceeds 50 percent of the perimeter of the covering. If a structure includes 2 or
6 more square or rectangular areas, the ratio of wall length to covering perimeter shall be
7 separately calculated for each square or rectangular area, excluding common sides.

opening from eave to floor or ground is composed of a solid building material. The building material need not be rigid.

- (2) COST-SHARE ELIGIBILITY. A cost-share grant under s. ATCP 50.40 may reimburse the cost of constructing a roof if the county land conservation committee finds that the roof construction is the most practical and cost-effective way to achieve compliance with state or local regulations.
- (3) ELIGIBLE COSTS. A cost-share grant under s. ATCP 50.40 may reimburse the cost of designing and constructing a roof, over an existing or relocated animal lot or manure storage structure, that is necessary to prevent barnyard runoff or discharges from a manure storage structure.
- 19 (4) INELIGIBLE COSTS. A cost-share grant under s. ATCP 50.40 may not 20 reimburse any of the following:
 - (a) Costs to install walls or to enclose a roofed area.
- 22 (b) Costs to design or construct a building or structure other than a roof.

1	(c) Costs to histain a roof over feed storage, machinery storage of animal nodoms
2	areas, except as provided in sub. (3).
3	(5) DESIGN, CONSTRUCTION AND MAINTENANCE. A cost-share grant under s.
4	ATCP 50.40 may not reimburse the cost of installing a roof unless all of the following
5	conditions are met:
6	(a) The roof complies with the american society of agricultural engineers
7	engineering practice number 288.5, December 1992 edition.
8 9 10	NOTE: Copies of ASAE EP 288.5 are on file with the department, the secretary of state and the revisor of statutes. Copies may be obtained from the department.
11 12	(b) The roof structure has sufficient ventilation to protect farm operators,
13	livestock and the roof.
14	(c) The roof and supporting structure are constructed of materials with a life
15	expectancy of 10 years or more.
16	(d) The landowner agrees not to establish additional outdoor animal lots on the
17	site for the duration of the cost-share agreement maintenance period, except with
18	adequate runoff control practices approved by the department.
19	(e) The landowner agrees not to convert a roofed animal lot structure, cost-shared
20	under this chapter, for use other than as an animal lot.
21	(f) The landowner agrees to maintain the roof for 10 years unless farming
22	operations on the affected land are discontinued.
23	ATCP 50.85 Roof runoff systems. (1) DEFINITION. In this section, "roof
24	runoff system" means facilities for collecting, controlling, diverting, and disposing of

- precipitation from roofs. A "roof runoff system" may include gutters, downspouts,
- 2 erosion-resistant channels, subsurface drains and trenches.
- 3 (2) ELIGIBLE COSTS. A cost-share grant under s. ATCP 50.40 may reimburse the
- 4 cost of designing and constructing a roof runoff system as part of a barnyard runoff
- 5 control system or manure storage system if the roof runoff system is necessary to prevent
- 6 roof runoff from flowing across areas of concentrated manure.
- 7 (3) INELIGIBLE COSTS. A cost-share grant under s. ATCP 50.40 may not
- 8 reimburse costs for structures that divert water to areas not adequately protected from
- 9 erosion.
- 10 (4) DESIGN, CONSTRUCTION AND MAINTENANCE. A cost-share grant under s.
- 11 ATCP 50.40 may not reimburse the cost of installing a roof runoff system unless all of
- the following conditions are met:
- 13 (a) The roof runoff system complies with all of the following that apply:
- 1. NRCS technical guide roof runoff management standard 558.
- 2. NRCS technical guide underground outlet standard 620.
- 16 (b) The landowner agrees to maintain the roof runoff system for 10 years unless
- 17 farming operations on the affected land are discontinued.
- 18 ATCP 50.86 Sediment basins. (1) DEFINITION. In this section:
- 19 (a) "Sediment basins" means permanent basins that reduce the transport of
- waterborne pollutants such as eroded soil sediment, debris and manure sediment.
- 21 Sediment basins may include containment walls or berms, pickets or screens to filter
- debris, orifices or weirs to control discharge, and conduits to direct runoff to treatment or
- 23 discharge areas.

1	(b) "Maximum storage capacity" means the volume of water, in acre-leet,
2	capable of being stored behind a dam at maximum water elevation without overtopping
3	any part that is not part of the spillway system.
4	(2) ELIGIBLE COSTS. A cost-share grant under s. ATCP 50.40 may reimburse the
5	cost of designing and constructing a sediment basin, including costs for heavy use area
6	protection, livestock fencing, filter strips, waste transfer, underground outlets, and critical
7	area plantings.
8	(3) INELIGIBLE COSTS. A cost-share grant under s. ATCP 50.40 may not
9	reimburse the costs for any of the following:
10	(a) Basins with a structural height of more than 25 feet or with a maximum
11	storage capacity of more than 50 acre-feet.
12	(b) Basins whose failure may endanger human life, or real or personal property.
13	(4) DESIGN, CONSTRUCTION AND MAINTENANCE. A cost-share grant under s.
14	ATCP 50.40 may not reimburse the cost of installing a sediment basin unless all of the
15	following conditions are met:
16	(a) Filter strips or buffers are used to filter any discharge from the sediment
17	bernies with the basin.
18	(b) The sediment basin complies with all of the following that apply:
19	1. NRCS technical guide critical area planting standard 342.
20	2. NRCS technical guide sediment basin standard 350.
21	3. NRCS technical guide manure transfer standard 634.
22	4 NRCS technical guide fencing standard 382.

5. NRCS technical guide wastewater treatment strip standard 635.

1	o. Takes technical guide heavy use area protection standard 501.
2	7. NRCS technical guide underground outlet standard 620.
3	8. Wisconsin DNR conservation practice standard 1001, wet detention basin,
4	dated June 1999.
5 6 7	NOTE: Copies of the DNR conservation practice standard 1001 are on file with the department, the secretary of state, and the revisor of statutes. Copies may be obtained from the department.
8 9	(c) The landowner agrees to maintain the sediment basin for 10 years unless
10	farming operations on the affected land are discontinued.
11	ATCP 50.87 Sinkhole treatment. (1) DEFINITION. In this section, "sinkhole
12	treatment" means modifying a sinkhole, or the area around a sinkhole, to reduce erosion,
13	prevent expansion of the hole, and reduce pollution of water resources. Modifications
14	may include the diversion of runoff around a sinkhole, or the alteration of a sinkhole by
15	excavation, cleanout, filter treatment, sealing or refilling.
16	(2) ELIGIBLE COSTS. A cost-share grant under s. ATCP 50.40 may reimburse any
17	of the following costs related to sinkhole treatment:
18	(a) Costs for the design and construction of a grassed waterway or diversion to
19	direct surface runoff around a sinkhole.
20	(b) Costs for the design and construction of a grassed waterway or diversion to
21	direct surface runoff around a geologic depression to prevent the formation of a sinkhole
22	(c) Costs for the design and construction of a modification to a sinkhole for the
23	purpose of protecting groundwater resources from contamination.

1	(3)	INELIGIBLE COSTS.	A	cost-share	grant	under s.	ATCP	50.40 may r	ot

2 reimburse costs for any system, component or practice that is not needed to correct an

- 3 identified water pollution hazard.
- 4 (4) DESIGN, CONSTRUCTION AND MAINTENANCE. A cost-share grant under s.
- 5 ATCP 50.40 may not reimburse any costs related to sinkhole treatment unless all of the
- 6 following conditions are met:

11

12

18

- 7 (a) The treatment complies with all of the following that apply:
- 8 1. NRCS technical guide sinkhole treatment standard 725.
- 9 2, NRCS technical guide diversion standard 362.
- 3. NRCS technical guide grassed waterway standard 412.
 - (b) The landowner agrees to maintain the sinkhole treatment for 10 years unless farming operations on the affected land are discontinued.
- ATCP 50.88 Streambank and shoreline protection. (1) DEFINITION. In this section, "streambank and shoreline protection" means using vegetation or structures to stabilize and protect the banks of streams, lakes, estuaries or excavated channels against scour and erosion, or to protect fish habitat and water quality from degradation due to livestock access.
 - (2) ELIGIBLE COSTS. A cost-share grant under s. ATCP 50.40 may reimburse any of the following costs related to streambank and shoreline protection:
- (a) Costs for permanent fencing to protect streambanks and shorelines from
 damage by livestock.
- 22 (b) Costs to install rock riprap. Wood chunks, unsorted demolition material, 23 brick, plaster, blacktop and other materials that may produce leachates may not be used

1	as riprap. A cost-share grant may reimburse costs for rock and timber riprap used to
2	establish fish habitat as part of a streambank and shoreline protection scheme, provided
3	that reimbursement for fish habitat does not exceed 25% of the cost-share grant.
4 5 6	NOTE: Lunker structures, or rock and timber riprap, are sometimes used to create fish habitat.
7	(c) Costs to shape streambanks or shorelines before installing protective plantings
8	or structures.
9	(d) Costs to construct or modify stream crossings that will minimize disturbance
10	of the stream channel and banks.
11	(e) Costs to establish permanent vegetative cover, or to provide temporary cover
12	until permanent cover is established. This may include costs for mulch, fertilizer and
13	other necessary materials.
14	(f) Costs for water pumps or other facilities that deliver water to livestock so that
15	livestock can be excluded from surface waters. Well construction costs may not be
16	reimbursed under a cost-share grant unless well construction is the most cost-effective
17	way to deliver water to livestock.
18	(3) DESIGN, CONSTRUCTION AND MAINTENANCE. A cost-share grant under s.
19	ATCP 50.40 may not reimburse costs for streambank or shoreline protection unless all of
20	the following conditions are met:
21	(a) The streambank or shoreline protection complies with all of the following that
22	apply:
23	1. NRCS technical guide critical area planting standard 342.
24	2. NRCS technical guide fencing standard 382.

3. NRCS technical guide streambank and shoreline protection standard 580.

- 4. NRCS technical guide tree and shrub establishment standard 612.
- 5. NRCS technical guide heavy use area protection standard 561.
- 3 (b) DNR pre-approves the streambank or shoreline protection project in writing if
 4 the project will create banks higher than 15 feet, measured from the stream or lake bed.
- 5 (c) The landowner agrees to maintain the streambank or shoreline protection for 6 10 years unless farming operations on the affected land are discontinued.
- ATCP 50.89 Strip-cropping. (1) DEFINITION. In this section, "strip-cropping"
 means growing crops in a systematic strip arrangement in which strips of grass, legumes
 or other close growing crops are alternated with strips of clean tilled crops or fallow, and
 in which all of the strips are established on the contour or across a slope to reduce water
 or wind erosion.
- 12 (2) ELIGIBLE COSTS. A cost-share grant under s. ATCP 50.40 may reimburse the
 13 cost of establishing a strip-cropping system, including costs for the necessary removal of
 14 obstructions.
- 15 (3) DESIGN, CONSTRUCTION AND MAINTENANCE. A cost-share grant under s.

 16 ATCP 50.40 may not reimburse the cost of establishing a strip-cropping system unless all

 17 of the following conditions are met:
- 18 (a) The strip-cropping operations are performed, to the maximum extent feasible,
 19 on the contour.
- 20 (b) The strip-cropping system complies with all of the following that apply:
- 1. NRCS technical guide obstruction removal standard 500.
- 22 2. NRCS technical guide contour strip-cropping standard 585.
- 23 3. NRCS technical guide field strip-cropping standard 586.

1	4. NRCS technical guide wind strip-cropping standard 589.
2	(c) The landowner agrees to maintain the strip-cropping for 10 years unless
3	farming operations on the affected land are discontinued.
4	ATCP 50.90 Subsurface drains. (1) DEFINITION. In this section, "subsurface"
5	drain" means a conduit installed below the surface of the ground to collect drainage water
6	and convey it to a suitable outlet.
7	(2) ELIGIBLE COSTS. A cost-share grant under s. ATCP 50.40 may reimburse the
8	cost of designing and constructing a subsurface drain as part of a manure storage system,
9	barnyard runoff control system, or erosion control system.
10	(3) DESIGN, CONSTRUCTION AND MAINTENANCE. A cost-share grant may not
11	reimburse the cost of establishing a subsurface drain unless all of the following
12	conditions are met:
13	(a) The subsurface drain is a necessary component of a manure storage system,
14	barnyard runoff control system or erosion control system.
15	(b) The subsurface drain complies with all of the following that apply:
16	1. NRCS technical guide subsurface drain standard 606.
17	2. NRCS technical guide underground outlet standard 620.
18	(c) The landowner agrees to maintain the subsurface drain for 10 years unless
19	farming operations on the affected land are discontinued.
20	ATCP 50.91 Terrace systems. (1) Definition. In this section, "terrace
21	system" means a system of ridges and channels installed on the contour with a non-
22	erosive grade and suitable spacing.

1	(2) ELIGIBLE COSTS. A cost-share grant under s. ATCP 50.40 may reimburse any
2	of the following costs related to a terrace system:
3	(a) Costs to install the system, including necessary costs for necessary leveling,
4	filling and obstruction removal.
5	(b) Costs to purchase and install necessary underground pipe outlets and other
6	necessary mechanical outlets.
7	(c) Costs to modify an ineffective system, unless the system has been rendered
8	ineffective because of changes in cropping patterns or equipment usage.
9	(d) Costs to establish permanent vegetative cover, or to provide temporary cover
10	until permanent cover is established: This may include costs for mulch, fertilizer and
11	other necessary materials.
12	(3) DESIGN, CONSTRUCTION AND MAINTENANCE. A cost-share grant may not
13	reimburse terrace system costs unless all of the following conditions are met:
14	(a) The terrace system includes a stable outlet or waterway of adequate capacity.
15	(b) The terrace system complies with all of the following that apply:
16	1. NRCS technical guide critical area planting standard 342.
17	2. NRCS technical guide grassed waterway standard 412.
18	3. NRCS technical guide lined waterway or outlet standard 468.
19	4. NRCS technical guide obstruction removal standard 500.
20	5. NRCS technical guide terrace standard 600.
21	6. NRCS technical guide subsurface drain standard 606.
22	7. NRCS technical guide underground outlet standard 620.
23	8. NRCS technical guide water and sediment control basin standard 638.

1	(c) The landowner agrees to maintain the terrace system for 10 years unless
2	farming operations on the affected land are discontinued.
3	ATCP 50.92 Underground outlets. (1) DEFINITION. In this section,
4	"underground outlet" means a conduit installed below the surface of the ground to collect
5	surface water and convey it to a suitable outlet.
6	(2) ELIGIBLE COSTS. A cost-share grant under s. ATCP 50.40 may reimburse the
7	cost of designing and constructing an underground outlet as part of a manure storage
8	system, barnyard runoff control system, or erosion control system.
9	(3) DESIGN, CONSTRUCTION AND MAINTENANCE. A cost-share grant under s.
10	ATCP 50.40 may not reimburse the cost of establishing an underground outlet unless all
11	of the following conditions are met:
12	(a) The underground outlet is a necessary component of a manure storage system,
13	barnyard runoff control system or erosion control system.
14	(b) The underground outlet complies with all of the following that apply:
15	1. NRCS technical guide subsurface drain standard 606.
16	2. NRCS technical guide underground outlet standard 620.
17	(c) The landowner agrees to maintain the underground outlet for 10 years unless
18	farming operations on the affected land are discontinued.
19	ATCP 50.93 Waste transfer systems. (1) DEFINITION. In this section, "waste
20	transfer system" means components such as pumps, pipes, conduits, valves, and other
21	structures installed to convey manure and milking center wastes from buildings and

animal feeding operations to a storage structure, loading area or treatment area.

1 -	(2) ELIGIBLE COSTS. A cost-share grant under s. ATCP 50.40 may reimburse the
2	cost of designing and constructing a waste transfer system which is a necessary
3	component of a manure storage system, barnyard runoff control system or milking center
4	waste system funded under this chapter, provided that the waste transfer system is
5	designed and used for that sole purpose.
6	(3) INELIGIBLE COSTS. A cost-share grant under s. ATCP 50.40 may not
7	reimburse the costs for any of the following:
8 , 4, 5, 5	(a) Portable equipment for spreading wastes on land or for incorporating wastes
9	into land.
10	(b) Buildings or modifications to buildings. This paragraph does not apply to
11	building modifications that are essential for the installation of a milking center waste
12	control system.
13	(4) DESIGN, CONSTRUCTION AND MAINTENANCE. A cost-share grant under s.
14	ATCP 50.40 may not reimburse the cost of installing a waste transfer system unless all of
15	the following conditions are met:
16	(a) The waste transfer system complies with all of the following that apply:
17	1. NRCS technical guide manure transfer standard 634.
18	2. NRCS technical guide underground outlet standard 620.
19	(b) The landowner agrees to maintain the waste transfer system for 10 years
20	unless farming operations on the affected land are discontinued.
21	ATCP 50.94 Wastewater treatment strips. (1) DEFINITION. In this section,
22	"wastewater treatment strip" means an area of herbaceous vegetation that is used as part

- of an agricultural waste management system to remove pollutants from animal lot runoff wastewater, such as runoff or wastewater from a milking center.
- 3 (2) ELIGIBLE COSTS. A cost-share grant under s. ATCP 50.40 may reimburse the following wastewater treatment strip costs:
- 5 (a) Permanent fencing to protect the wastewater treatment strip.
- (b) Costs to establish permanent vegetative cover in the wastewater treatment
 strip, or to provide temporary cover until permanent cover is established. This may
 include costs for mulch, fertilizer and other necessary materials.
- 9 (c) Costs to shape, smooth or prepare the wastewater treatment strip before 10 establishing a permanent vegetative cover.
 - (3) DESIGN, CONSTRUCTION AND MAINTENANCE STANDARDS. A cost-share grant under s. ATCP 50.40 may not reimburse wastewater maintenance strip costs unless all the following conditions are met:
- 14 (a) The wastewater treatment strip complies with all the following that apply:
- 1. NRCS technical guide critical area planting standard 342.
- 2. NRCS technical guide fencing standard 382.

12

- 17 3. NRCS technical guide livestock exclusion standard 472.
- 4. NRCS technical guide mulching standard 484.
- 5. NRCS technical guide wastewater treatment strip standard 635.
- 20 (b) The landowner agrees to maintain the wastewater treatment strip for 10 years
 21 unless farming operations on the affected land are discontinued.
- ATCP 50.95 Water and sediment control basins. (1) DEFINITIONS. In this section:

- 1 (a) "Manure storage facility" has the meaning given in s. ATCP 50.62(1)(c).
- 2 (b) "Water and sediment control basin" means an earthen embankment or a ridge
- and channel combination which is installed across a slope or minor watercourse to trap or
- detain runoff and sediment. "Water and sediment control basin" does not include a
- 5 manure storage facility or a structure designed to collect runoff and sediment from
- 6 concentrated animal feedlots.

- (2) ELIGIBLE COSTS. A cost-share grant under s. ATCP 50.40 may reimburse the cost of designing and constructing a water and sediment control basin, including practices
- 9 necessary to protect the basin from livestock.
- 10 (3) DESIGN, CONSTRUCTION AND MAINTENANCE. A cost-share grant may not reimburse the cost of installing a water and sediment control basin unless all of the following conditions are met:
- (a) The water and sediment control basin complies with all of the following thatapply:
 - 1. NRCS technical guide critical area planting standard 342.
- 2. NRCS technical guide fencing standard 382.
- 3. NRCS technical guide water and sediment control basin standard 638.
- 18 4. NRCS technical guide underground outlet standard 620.
- 19 (b) The landowner agrees to maintain the water and sediment control basin for 10
 20 years unless farming operations on the affected land are discontinued.
- 21 ATCP 50.96 Waterway systems. (1) DEFINITION. In this section, "waterway system" means a natural or constructed waterway or outlet that is shaped, graded and

- 1 covered with a vegetation or another suitable surface material to prevent erosion by
 2 runoff waters.
- 3 (2) ELIGIBLE COSTS. A cost-share grant under s. ATCP 50.40 may reimburse any 4 of the following costs related to a waterway system:
- (a) Costs for site preparation, grading, shaping and filling.
- (b) Costs to establish permanent vegetative cover, or to provide temporary cover
 until permanent cover is established. This may include costs for mulch, fertilizer and
 other necessary materials.
- 9 (c) Costs for the necessary removal of obstructions, the necessary installation of 10 subsurface drains and underground outlets, and the necessary installation of machinery 11 crossings.
- 12 (3) DESIGN, CONSTRUCTION AND MAINTENANCE. A cost-share grant under s.

 ATCP 50.40 may not reimburse costs for a waterway system unless all of the following

 conditions are met:
 - (a) Waterways are permanently covered by vegetation or other suitable surface materials to prevent erosion. Close-sown small grains, annual grasses or mulches may be used for temporary protection if followed by an appropriate permanent vegetative cover.
- 18 (b) The system complies with all of the following that apply:
- 19 1. NRCS technical guide critical area planting standard 342.
- 20 2. NRCS technical guide fencing standard 382.

16

- 3. NRCS technical guide grassed waterway standard 412.
- 4. NRCS technical guide mulching standard 484.
- 5. NRCS technical guide obstruction removal standard 500.

7. NRCS technical guide underground outlet standard 620. 2 (c) The landowner agrees to maintain the waterway system for 10 years unless 3 farming operations on the affected land are discontinued. 4 ATCP 50.97 Well decommissioning. (1) DEFINITION. In this section, "well 5 decommissioning" means permanently disabling and sealing a well to prevent 6 contaminants from reaching groundwater. 7 (2) ELIGIBLE COSTS. A cost-share grant under s. ATCP 50.40 may reimburse 8 costs to design and implement a well decommissioning, including costs to fill the well, 9 seal the well, and shape the land to protect the abandoned wellhead from precipitation 10 and runoff. 11 (3) DESIGN, CONSTRUCTION AND MAINTENANCE. A cost-share grant under s. 12 ATCP 50.40 may not reimburse the cost of well decommissioning unless the well 13 decommissioning complies with all of the following that apply: 14 (a) NRCS technical guide well decommissioning standard 351. 15 (b) Section NR 812.26, related to well and drillhole decommissioning. 16 ATCP 50.98 Wetland development or restoration. (1) DEFINITION. In this 17 section, "wetland development or restoration" means the construction of berms, or the 18 destruction of tile line or drainage ditch functions, to create or restore conditions suitable 19 for wetland vegetation. 20 (2) ELIGIBLE COSTS. A cost-share grant under s. ATCP 50.40 may reimburse any 21 of the following costs related to the development or restoration of wetlands: 22 (a) Costs for earth moving to construct or remove berms, levees or dikes.

6. NRCS technical guide subsurface drain standard 606.

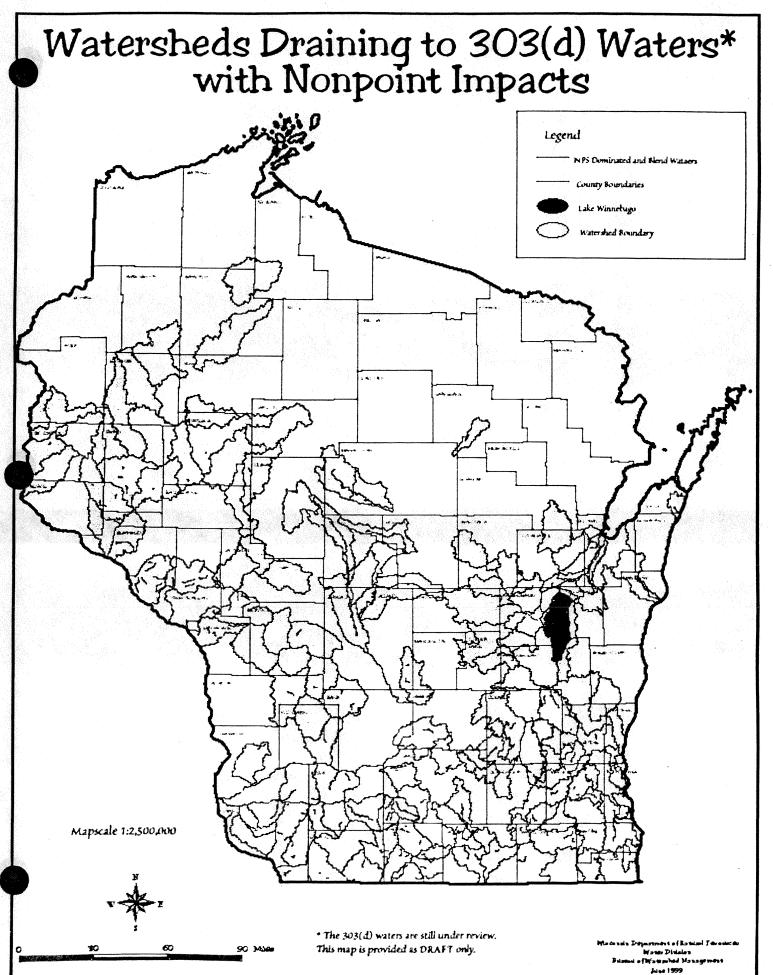
1

(b) Costs for earth moving to fill in portions of drainage ditches.
(c) Costs to destroy portions of tile lines.
(d) Costs to establish vegetative cover to develop or restore wetlands, consistent
with the practice goals.
(3) DESIGN, CONSTRUCTION AND MAINTENANCE. A cost-share grant under s.
ATCP 50.40 may not reimburse wetland development or restoration costs unless all of
the following conditions are met:
(a) The wetland development or restoration complies with NRCS technical guide
wetland restoration standard 657.
(b) The landowner agrees to maintain the wetland restoration practice for at least
10 years.
EFFECTIVE DATE. Except as otherwise provided in this rule, this rule shall take
effect on the first day of the month following publication in the Wisconsin administrative
register, as provided under s. 227.22(2)(intro.), Stats.
Dated this,
STATE OF WISCONSIN DEPARTMENT OF AGRICULTURE, TRADE AND CONSUMER PROTECTION By James E. Harsdorf Secretary

Appendix A

Watersheds draining to impaired waters ("303(d) list")

Wisconsin Department of Natural Resources



Appendix B

Summary of UWEX soil test recommendations (for selected crops)

Nutrient and Pest Management Program, University of Wisconsin-Extension

Manure info.

Fertilizer analysis

82-0-0 34-0-0 46-0-0 28-0-0 32-0-0 20-0-0 21-0-0-24(\$)

Y-P-K



NT	FA	S T 1	FACT	"	Nutrient ar
nutrient []	K ₂ 0	8 [1] 2 21 [3]	23 (3)	7 [1] 26 [3]	9 (1) 25 (3)
anable	P ₂ O ₅	3 [0]	5 [1]	3 [1] 15 [3]	14 [2] 38 [7]
ear av	N P ₂ O ₅ K ₂ O not become at or become at	4 [E] 05	4 [2] 12 [4]	5 [1] 3 [1] 28 [5] 15 [3]	15 [3]
/th 2" y	Z P	3111 8 [3]	10 [4]	4 (1) 22 (6)	13 [2] 35 [7]
content with 2" year in brackets []		Solid (lb/ton) Liquid (lb/1000 gal)	Beef manure Solid (lb/ton) Liquid (lb/1000 gal)	Swine manure Solid (1b/100) Liquid (1b/1000 gal)	Poultry manure Solid (lb/ton) Liquid (lb/1000 gal)

Manure output

lb/day tons/year	120 21.9	75 13.7	13 2.4	0.21 0.038	
Animal and size It	Dairy (1400 lb)	Beef (1250 lb)	Swine (200 lb)	Poultry (4 lb)	

Determining manure application rate:

elze:	Solid or semi-solid	allons
Step 1: Figure load size:	Weigh spreader in tons	90% tank capacity in gallons

Step 2: Determine field acreage: field length (ft) × field width (ft) 43,560 ft?/a

••		
tion rate	- tone or callons /	
e applica	L tons	3
Calculate manure application rate:	[(# of loads) x (load size)]	field acreage
Step 3:	[(# of load	

Bore

Guideline for unincorporated manure:

Solid Liquid (tons) (gallons)	\$\$ \$\$	25 5000	5 2000
	Dairy	Swine	Pouttry
Do not apply more than 25 tons of	solid dairy manure per acre or its	prosprorus	per year

Harvest info. Nutrients removed by crop at harvest NUTRIENT MANAGEME

P ₂ O ₆ K ₂ O approximate 1b	13 50 50 50 50 50 50 50 50 50 50 50 50 50	ure)		60 40	25	13 58 15 58 3% moisture) 35 40	moisture) 31 19
	Alfelfa* / red clover, 1 tov/a Bartey*, 50 bu/a	Grain (1 bu = 56 lb @ 15.5% moisture) 90-110 bu/a) bu/s 50 bu/s	o bwa Na	Grain, 100 bu/a (1 bu ≈ 32 lb @ 13% moisture) Straw, 1 ton/a	Poracoser, 100 Cw/8 Soybean', 1 tor/s Soybean', 40 bu/s (1 bu = 60 lb @ 13% moisture) Wheat'	Grain, 50 bu/a (1 bu ≖ 60 lb @ 13% moisture) Straw, 1 ton/a
	Alfalfa" / red clo Barley", 50 bu/a	Grain (1 bu = 5	110-130 bu/s 130 - 150 bu/s	Silage,1 tor/s Osts¹	Grain, 100 buy Straw, 1 ton/a	Sorghum', 1 ton/a Soybean*, 40 bu/a (1 Wheat'	Grain, 50 bu/e Straw, 1 ton/a

	·
	SE .
	=
	~
- 12	
	_
	•
٤	-
	•
=	
- 4	ъ
- 5	Ť
	-
	n, S.R. Airich, et al., 1986
	~
3	90
10.3	
455.5	5
- 7	
	ਚ
	•
7	₽.
- ×	₽
- 3	ā
5	Pro
- 3	
- 76	ç
- 5	õ
€	•
. 7	Ξ.
- 2	-
- 5	×
~	*
- 5	*
a: Universit	am Moder
	6
	.=
- 5	

0-0-22-22(S)-11(Mg) 13-0-44

0-0-60 to 62 0-0-50-18(S)

Converting pounds harvested to bushels with % moisture content corrections:

Shelled Corn

[lbs harvested \times (1 - % moisture in corn)] \pm 47.32 = bu @ 15.5% moisture

Ear com

		=	~
1	1.	~	œ
		yo.	~
1	1		•
	9		•
1 3	3	~	æ
1 4	9	_	-
1 3	2	≈	g
13			_
i	2	2	≅
L C	5	7	_
1 -	3	~	80
13	: 1	~	8
] 3	5	39	_
1 1	1	7	ś
1 3	•		_
1	5	2	=
1	5		~
t	- 1		œ
1 3	2	=	2
13	3	- 49	
1 5		#	=
1 2	2		
1		-	=
1 3	3	•	×
1 5	ΕΙ.		~
1 5	3	=	6
1 +	.		-
1 -	3	<u>.</u>	œ
1 3	§] :	7	_
1 :	9	55	æ
1 8			9
the harvested + minher from chart helm - his & 15 E. molevine	9	×	•
1 3		5	S
1 =	}	쿥	爱
1	10	moisture % 15 15.5 16 17 18 19 20 21 22 23 24 25 26 27	3
		-	•

is harvested x (1 - % foreign matter) = adjusted ibs harvested	ACTION AND AND AND AND AND AND AND AND AND AN	be harvested x (1- % foreign matter) = adjusted libs harvested
	arcested x (1 - % foreign matter) = adjusted ibs harcested	25 x (1 - 4 moisture) + 32.2 = pu soybeans to 13.4 moisture
200 CO 100 CO 10	DESCRIPCE S TO PETER TRAFFER I DATE TO THE TOTAL OF	

Calculating acres harvested:

560 ft			210 feet O acres
d] + 43		ure of corn molsture	row is 1 cre = 1.1
harvest	÷	12,580 lbs com harvested © 21,35% moisture 12,580 lbs x (1 - ,2135) + 47,32 = 209 bu of corn © 15,5 % moisture	Four-row harvesten: 16 rows , each 30 Inch row is 1210 feet 30 Inches = 2.5 feet (1210 ft x 2.5 ft x 16 rows) + 43,560 ft/lacre = 1.10 acres
rows	me	21.30 - 32.3	. each
ъ ж х	ž	sted (5 rows
dth(ft)	vestec	1 harve	ster. 16 5 feet 5 x 16 r
	n har	78 COT	harve 6 = 25 (2.5 ft
acres harvested = [row length(ft) x row width(ft) x # of rows harvested] + 43,560 ft²/acre	with cor	12,580 II	Four-row harvester: 16 30 Inches = 2.5 feet (1210 ft x 2.5 ft x 16 r
row len	Example with corn harvested by combine:	Step i: 12,580 lbs com harvested @ 21,35% molsture 12,580 lbs x (1 - ,2135) + 47,32 = 209 bu of co @ 15,5 % mols	Step 2: Four-row harvester: 16 rows , each 30 inch row is 1210 feet long 30 inches = 2.5 feet (1210 ft.x 2.5 ft.x 16 rows) + 43.560 ft/lecre = 1.10 acres

indicates

	P ₂ O ₆ K ₂ O	DNII	Nitrogen	<u>{</u>
	approximete ib	sa.	Anhydrous ammonia	82-0-0
A Management of the control of the c	;	רו	Ammonium nitrate	34-0-0
ATTRICT / LOC CLONET, I TOTAB	13 50	10	a e C	46-0-0
Barley', 50 bu/a	19. 13	8	UAN solution - 28 and 32%	28-0-0
E GO	The second secon	ъс	(Urea ammonium nitrate)	32-0-0
Grain (1 bu = 56 lb @ 15.5% moisture)) <u>+</u>	Aqueous ammonia	20-0-0
90-110 bu/a	40 25	31	Ammonium sulfate (AMS)	21-0-0-24/5
110-130 bu/a	45 30	נח		
130 - 150 bu/a	55 35	111	Phosphorus	
150 -170 bu/a	60 40	88	Triple superphosphate (TSP)	0.48.0
Silage,1 ton/a	4 11	ns	Diammonlum phoenhate(DAP)	18.46.0
Ostel			Mondammonlim abounds (MAD)	
Grain, 100 bu/a (1 bu = 32 lb @ 13% moisture)	oisture) 25 19	10	Ammonium polynhoenhele	
Straw, 1 ton/a	ıc	O N		
Potatoes', 100 cw//a	÷	SI	Ammonium noticehone	9 6
Sorghum', 1 ton/a	15 58	3	are independent of the control of th	0-70-61
Sovbean", 40 bu/a (1 bu = 60 lb @ 13% moisture)	35	18		
Wheat		~1	Totassium	
Grain 50 bu/a (1 br = 80 lb @ 13% moisture)	etire) 31 10	SI	Potassium chloride	0-0-60 to 62
Straw 1 trn/a		н	(muriste of potash)	
		ı E	Potassium sulfate	0-0-50-18(S
)NI	Potassium-magnesium	
"Nifrogen removal by sifelfe (1ton) is 60 ib and by soybeans (40 bu) is 115 ib	id by soybeans (40 bu) is 115 lb.	sn	sulfate	0-0-22-22(\$
			Potassium nitrate	13-0-44
Source: University of Wisconsin Extension unless noted 1. From Modern Com Production, S. B. Alinth, et al. 1988		- Control of the cont		***************************************
2 From Minnesota Extension Bulletin 262				
				20 67
- 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				, weld

1 gallon UAN (28",N) Weldhe 10.6 lbs Conversions

Take column 1	multiply by column 2	to get column 3
acre (a)	43,560	square feet (ff²)
acre (a)	0.405	hectare (ha)
square mile (mi ²)	640	acres (a)
cubic yard (yd2)	22	cubic feet (ff²)
cubic feet (ff3)	7.48	gallons (gal)
(nq) jeysnq	1.244	cubic feet (ft²)
bushel (bu)	€	gallons - dry
poshel (bu)	9.31	gallons - liquid
onuces (oz)	29.8	milliliters (ml)
gallon (gal)	3.78	liters (1)
gallon (gal)	128	fluid ounces (fl oz)
gallon (gal)	4	quart (qt)
acre-foot	43,560	cubic feet (ft3)
ecre-foot	325,851	gallons (gal)
chain (ch)	99	feet (m)
chain (ch)		rods (r)
rods (r)	. 16.5	feet (ft)
mile (mi)	2280	feet (ft)
ton (short)	2,000	(q) spunod
ton (long)	2,230	pounds (Ib)
gallons/acre (gal/a)	9.354	liters/hectare (l/ha)
miles/hour (mph)	86	feet/minute (ft/min)
pounds/acre (lb/a)	1.12	kilograms/hectere (kg/ha)
P,O,(16)	0.44	(Q) A
K,O (B)	0.83	K (Ib)
ppm-plow layer (6 in)	~	lb/acre (lb/a)
ppm-top soil (12 in)	₩	lb/acre (lb/s)

		ı	١	ú	
			٠		
			1	2	
			i	=	
				۰	
			1	2	
			i	7	
		٠	į	ż	
			١	3	
			i	á	
			•	•	
			۹		
		٠	ı		
			Ċ	ď	
		ı	۲	7	
		ì			
			ļ	٠	
			ı	=	
			ı	ü	
				3	
				ď	
		١	ŕ	٠	
		i	ì	ï	
		3	٠	•	
				ď	
	ŝ		ż	2	
		١		,	
		١	į		
			į	•	
		i		•	
		١	١	,	
			í	_	
				Ī	
		۰	١		
		ı	r	۰	
		1			
			ŀ	٠	
		١	i	:	
		ė	i	,	
				•	
		١	į	,	
		ŧ	Ė		
		٠			
		1	t	•	
		۹	ı	,	
		1			
		۰	۰	7	
		ı	ľ	•	
	1	ċ			
		۲			

Step 3: 209 bu of corn + 1.10 acres = 190 bulacre

	2
	=
	ž
	7
	~
	=
وشعاة	2
Ē	E
9	Ε
ェ	5
=	ũ
ž	5
_	_
_	_
<u> </u>	
C	U
	u
•	_
-	
· •	- 2
- 5	1,100
- 0	$\overline{}$
•	_
7	7
•	1
_	
_	
~	η
~	٦
٢	

Soil test level of the field

-		
_	7.5	
-		
•		
_		
	-1199	
100	_	
	_ (iii	
	`	
•		
	•	
/	1	
,		
	سر	
~	⋰	
	- 1	
	- 2	
	=	
	=	
	æ	
	-	
	1200	

20	٠.	£	-	٠,	_
ě		Ŧ	ó		9
Ē	Ŧ	TOTAL FIGURE	ŗ	٠,	'n
÷	ဝီ	Ē	-		~
3	opt-		0		
•		3	w		32
Soll test level of the field		-	LBS/ACRE OF P,O, T		Y
			4		
	Very	Ž	8		
		_			ű
	5	•			
	Yield gos	(tons/e)			i
	۶	٦			

₹ ₹.	:	1	:	:	:	1
	9	15	52	၉	32	45
Dot H	52	35	20	92	75	6
Soil test level of the field Optit Low mum High	45-65	55-75	.06-02	85-105	95-115	110-130
Very Low Law	55-75	65-85	80-100	95-115*	105-125	120-140*
Yield goel (tons/e)	15.25				5.665	. 18
		-,				-0

Yield goel (tons/e)	£ 6	Low	E E	Ę	ij	Ę
	LBS/AC	0	۵	0,1	4 0	
	44.75	45-65	52	9	:	0
2 6 6	65-85	55-75	32	15	:	0
	BO-100	.06-02	20	52	:	0
, w	95-115	85-105	65	၉	:	0
	105-125	95-115	75	35	:	0
6.6-7.5	120-140*	110-130.	8	45	Agyl 1	•
			ľ			
	LBS/ACRE		0 ' X' O	د د د		٠
	135-150**	125-135**	50	20	52	0
2 0 0	185.200	175-185**	150	75	4	0
	235.250**	225-235	200	50	S	0
	205.300**	225.285**	250	125	9	0
	335-350**	325-335**	300	150	75	0
6.73	385-400*	325-385**	350	175	96	0
	The state of the s					

285-300** 225-285** 250 125 335-300 150 335-300** 325-335** 300 150 385-400** 325-335** 350 175 35-300 150 385-400** 325-335** 350 175 175 35-300 100 300 100 100 100 100 100 100 100	ı	3.6-4.5	185-200	225-235**	200	5 5	S 5	0
6.6.7.5 385-400	1251		285-300**	325-385"	300	125 150	8 £	00
£ : :	୍ଧ		385-400**	325-385**	350	175	86	٥
	1		Very high . Use lowe	r values on se	s not exi- ndy solls ndy or o	at for soil t t rganic soil	est pho	sphorus
	•			A Posto	ate of	t et	reture	ed for

The state of the s	Where an affalfa stand is to be maintained for more than three years increase the annual more than the contract of the contrac	Apply 30 lb N/acre in the seeding year if grown on soils with less than 2% organic matter.	Apply 40 to Nizcre for legume pasture on sandy soils and 20 to Nizcre on soils with less than 2% organic matter.	Where barley or oats are seeded with legume forage, reduce N for the small grain by 50%.
	100	Apply 30 lb N/ac	Apply 40 th N/acre for leg sandy soils and 20 th N/a than 2% organic matter.	Where barley or forage, reduce
	C Legume Forage			Nurse Crops
	S U O	l 3 e u	11S 11	i p e d ;

•	

nutrient recommendations

nutrien	recomn	C. 10000
	à	
Ę	=	
1	-	
$\overline{}$	5	
~	-	
	100	

1		S	Soil texture	
matter (%)	Sands or loamy sands	spues Ame	Other	Other Soils Yeld polential Managlum Highway High
	LBS/ACRE	C 28 EC O	C + N	A P P L V
	130	200	150	180
0.49	110	160	120	160
50.20	100	120	8	120
200	980	80	90	S S

5	•					
	Vield goal		Soil test level of the	evel of t	he field	
	(h:1/e)	Ve2		opę.		ă
	6	7	No.	E	Ę	Ę
		LBS/ACF	O F	, O. d	10 1	1 4 4
	21.00	80.00	50-70	30	15	0
	01-110	70-100	80-80	40	20	0
93	111-130	75-105	65-85	45	25	0
eų	121-150	85-115	75-95	55	25	0
d	151-170	90-120	80-100	9	33	0
50	171-190	100-130	90-110	70	35	0
44	191-210	105-135	95-115	75	Q	٥
l		LBS/ACR	RE OF	о, х	1 0 A	1 4 4 4
	6,1,6	50-80	40-65	52	15	0
	91-110	55-85*	45-70.	30	15	0
	111-130	06-09	50.75	32	15	0
1	131-150	65-95	55-80	9	50	0
ųs	151-170	70-100	60-85	45	20	0
6)	171-190	75-105**	65-90	20	20	0
٥,	191-210	80-110	20-92	22	52	0

-	
~	
2	J
<u></u>	
-	
U)	ł

Exceptions

					•	
•	LBS/ACRE	о В	۵	,0,	٠	* P P L Y
V	80-110	.06-02	20	52	:	0
	95-125	85-105	92	30	:	0
20.55	115-145	105-125	82	40	:	0
	130-160	120-140	9	20	:	٩
	1 4 8 4 A C	BSIACRE OF		0 X	TO APP	-
	125.155**	115-140**	001	20	52	c
1	145.175**	135-160**	120	9	3	0
	160.190**	150-175**	135	2	32	0
, 25 , 25	175.205**	165-190**	150	75	40	0

No credit on sands and loamy sands.

Reduce credit by 40 lb Nacre if less than 8 inches of regrowth after last harvest.

Reduce credit by 50 lb N/acre on sands and loamy sands.

Use 20 Ib Niacre credit if field has less than 6 inches of growth	5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	 Very high celegory does not exist for soil less prospriorus Use higher values on sandy or organic soils Use lower values on sandy or organic soils
before tillage.	Company of the compan	If > 50% residue cover remains on the
1 27 27	Conservation	titings surface, increase N requirement for corn by 30 ib N/acre for the first two years.
	High P soils	High P soils additional P, exceed 150 ppm, do not apply additional P, except for a maximum of a maximum o
No credit on sands and loamy sands.	1*1	School of John Marie 100 02
	Sandy solls	N should be applied as single sidedress application or as spirit applications.

credit
Z
Legume

Legume crop

First Year Credit

Forages

.. Very high category does not exist for soil te .. Use lower values on sandy or organic soils

35-50**
45-60**
55-70**
65-80**
75-90**
85-100**

60.75"
70.85"
80.95"
90.105"
110.125"
120-135"

15-25 26-35 36-45 46-55 56-65 66-75

Potash

ne crop	Nitrogen credit
jes	
ear Credit	199 Ib Nacre for good stand (more than 70% alfalfe or m
Alfalfa	160 lb N/acre for fair stand (30 - 70% atlate of 15 - 4 pla
	130 Ib Niacre for poor stand (tess then 30% affekts or less
Red Clover &	80% of alfalfa credit for similar stands
Birdstoot Iretoil	The second secon

130 Ib Niacre for poor stand (see than 30% attent or test than 1.5 planter?) 80% of attatfa credit for similar stands	190 ID N/RECE IOI BOOK Stein Chimes.	15.4 plants/#?)
1% of alfalfa credit for similar stands	io ib Nacre for poor stand (tess then 30% at	Maria or less than 1.5 plantafft ¹)
	80% of alfalfa credit for similar stands	

	80-120 lb N/acre

Sweet clover

Red clover

Alfalfa

Green manures

Second Year Credit

	* <u>.</u>		
80-120 lb N/acre	60-100 Ib N/acre	50-80 Ib N/acre	

		40 Ib Nacre	
--	--	-------------	--

Soybeans

	20 Ib N/acre
Vegetable Crops	Peas, snap beans & Ilma beans

	١	"vive
	1	
	. [
	1	
1		
		Š
		N SC
1		ء ا
1		=

Appendix C

Nutrient management plan checklist

To assist in following Wisconsin's nutrient management standard