

WQL26 – Reduce the concentration of nutrients imported on farm

CSP Enhancement Washington State Supplement

Land Use Applicability: Cropland, Pastureland	January 2014
Client/Operating Unit:	Tract Number:
Farm/Ranch Location:	Farm Number:
Specifications Date:	Field Number(s):
Planned Installation Date:	Proposed Treatment Acres:
Enhancement Description:	Table of Contents

Grow at least 75% of feed for livestock on the farm and use manure from the livestock to supplement up to 50% of N, 90% of P and 90% K for crops grown on the farm.

Benefits

On livestock farms, when feed for livestock is imported on the farm and manure from the livestock is spread on the farm, over time this can result in a buildup of nutrients on the farm.

This problem is made worse if the nutrient value of the manure is not accounted and additional fertilizer is applied to crops. By growing the majority of feed for livestock on the farm and properly accounting for the nutrients in the manure when applying it to crop land, better nutrient cycling is achieved. Nutrients are not concentrated on the farm and a more sustainable operation is possible.

Conditions Where Enhancement Applies

This enhancement applies to all crop or pasture land use acres.

Criteria for reducing the concentration of nutrients imported on farm

- 1. At least 75% of feed for livestock must be grown on the farm.
- 2. For crops grown on the farm, manure from the livestock must be used to supplement up to:
 - a. 50% of N
 - b. 90% of P
 - c. 90% of K

Layout Sketch & Drawing (Provide sketch, drawings, maps, and/or aerial photographs.)

• Geo-referenced field map with all delineated treatment areas where CSP Enhancement WQL26 is to be applied.

Adoption Requirements

This enhancement is considered adopted when both criteria above have been met.

Documentation Requirements

- 1. Total feed requirements for livestock,
- 2. Feed purchases from off farm,
- 3. Nutrient requirements for crops, and
- 4. Off farm nutrient purchases.

WQL26 Page 1 of 4

References*:

International Plant Nutrition Institute (IPNI). 2012. 4R Plant Nutrition – A Manual for Improving the Management of Plant Nutrition (North American Version). IPNI, Norcross, GA.

USDA-NRCS. 2000. National Engineering Handbook. Part 637, Chapter 2, Composting. Washington, D.C.

USDA-NRCS. 1992. National Engineering Handbook. Part 651, Agricultural Waste Management Field Handbook. Washington, D.C.

Field Office Technical Guide:

eFOTG, http://www.nrcs.usda.gov/technical/efotg/

* Some online documents may take several minutes to download.

State Supplemental Information

Follow State Land Grant University Guidelines for credits.

WQL26 Page 2 of 4

Client Documentation			WQL26
Producer:		Date:	
Tract Number(s):		County:	
Total feed requirements for	or livestock	<u> </u>	
Nutrient requirements for	crops		
Total Feed Requireme	ent (tonnage of feed by source	e):	
Total Nutrient Requirement for Crops based on Current Soil Test(s):			
N	P ₂ O ₅	K ₂ O	

Provide Receipts for the Following:

- 1. Feed Purchases From Off Farm
- 2. Nutrient Purchases From Off Farm

WQL26 Page 3 of 4

Client's Acknowledgement (To be signed before the Enhancement is applied.)		
By signing below, I acknowledge that I:		
 have reviewed and understand the site specific design, installation specifications and operation/maintenance requirements in this State Supplemental Sheet and have an understanding of the purpose(s) of this Enhancement; 		
 will install, operate, and maintain this Enhancement in accordance with the National Sheet, the Washington State Supplemental Sheet and the site specific specifications. 		
 will make no changes to the planned design and installation without prior written approval of the Natural Resources Conservation Service. 		
 will obtain all necessary permits and/or rights, and comply with all ordinances and laws pertaining to the installation, operation, and maintenance of this Enhancement, prior to the start of installation; and 		
 will assume responsibility for notifying all Utilities affected by the installation, operation and maintenance of this Enhancement. 		
Signature Date		

USDA is an equal opportunity employer and service provider.

WQL26 Page 4 of 4