Apply no more than 50% of total crop nitrogen needs within 30 days prior to planting or in the case of pasture or hay after green up of the dormant grasses. Apply the remaining 50% or more of the total nitrogen needs after crop emergence or pasture green up.

### Benefits

Timing of nitrogen application can be used to ensure adequate amounts of N are available during critical growth stages. Application rates can also be adjusted based on crop forage conditions to refine yield goals. Split application of 50% or more of the total N needs allows for more efficient nutrient utilization resulting in a reduced potential for N loss through leaching and/or greenhouse gases to the environment (e.g. nitrous oxide).

### Conditions Where Enhancement Applies

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

### Criteria for split nitrogen applications, 50% after crop emergence or pasture green up

Implementation of this enhancement requires:

1. Regardless of form or application method (fertilizer, manure or any other organic byproducts), apply no more than 50% of crop N needs within 30 days prior to planting and 50% or more of the N needs after crop emergence or in the case of pasture or hay after green up of the dormant grasses.

2. Post emergence N application rates can be reduced based on crop scouting reports that would suggest lower yield potential. Scouting reports shall be provided.

3. Participant must have annual manure analysis (if organic nutrient sources are used)

4. Nutrient application rates must be within the “Land Grant University (LGU) recommendations based on soil testing and established yield goals and considering all nutrient sources.

5. Minimize soil surface disturbance to stay within the site’s residue management goals.

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

- Geo-referenced field map with all delineated treatment areas where CSP Enhancement WQL07 is to be applied.
**Adoption Requirements**

This enhancement is considered adopted when all of the relevant criteria above have been implemented on the land use acre.

**Documentation Requirements**

1. Written documentation for each treatment area (field) and year of this enhancement describing these items:

   - Acres,
   - Planned crop,
   - Planting date and crop planted,
   - Dates of crop emergence,
   - Annual manure analysis results (if organic nutrient sources are used),
   - Crop yields (both yield goals and measured yield),
   - Nutrient application rates/amounts and application dates for each treatment area,
   - Scouting reports.

2. A map showing where the activities are applied.

   *Note: In lieu of documenting each individual item listed in the Documentation Requirements, a Certified Crop Advisor plan that contains each of the items may be substituted.*

**References**:  


**Field Office Technical Guide:**


   * Some online documents may take several minutes to download.

**State Supplemental Information**

None.
1. Written documentation for each treatment area (field) and year of this enhancement describing these items:

   a. Acres,
   b. Planned crop,
   c. Planting date and crop planted,
   d. Dates of crop emergence,
   e. Annual manure analysis results (if organic nutrient sources are used),
   f. Crop yields (both yield goals and measured yield),
   g. Nutrient application rates/amounts and application dates for each treatment area, and
   h. Scouting reports.

2. A map showing where the activities are applied.

*Note: In lieu of documenting each individual item listed in the Documentation Requirements, a Certified Crop Advisor plan that contains each of the items may be substituted.*
Nitrogen Applications:

<table>
<thead>
<tr>
<th>Thirty (30) Days Prior to Planting or Greenup:</th>
<th>Date Applied:</th>
</tr>
</thead>
</table>

P₂O₅ Applications:

<table>
<thead>
<tr>
<th>Rate Applied:</th>
<th>Date Applied:</th>
</tr>
</thead>
</table>

K₂O Applications:

<table>
<thead>
<tr>
<th>Rate Applied:</th>
<th>Date Applied:</th>
</tr>
</thead>
</table>

*If organic nutrient sources are used, annual manure analysis results must be submitted.

Attach map showing where the activities are applied.

WSU Analytical Laboratories Database:

http://www.puyallup.wsu.edu/analyticallabs/

Commercial and Agricultural Resources:

http://extension.wsu.edu/wsprs/Pages/AgResources.aspx
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.