

# United States Department of Agriculture Natural Resources Conservation Service



# Delaware

**NUTRIENT MANAGEMENT (CSP Enhancements)    January 2005**

**Delaware Enhancement Activity Job Sheet N-1**

The nutrient management plan will meet the minimum requirements of the 590 standard, the Delaware nutrient management state law, and will be reviewed annually by a certified nutrient management planner.

- Utilize PSNT and split application** **\$2.00/acre**

The PSNT is a soil test for nitrate-nitrogen (NO<sub>3</sub>-N) developed for use at the 4 to 6 leaf stage of corn to help in making more accurate N fertilizer recommendations at side dressing time. The test uses the NO<sub>3</sub>-N content of the top foot of soil as an estimate of the amount of N available to the crop.

Split application is the process of matching nitrogen supply with crop uptake during the growth periods. Initial nutrients will be 50% or less of the total projected needs with the remainder applied during at least one other growth period and based on soil or plant testing and/or recommendations.

**Documentation Required:** Use the following Table for documentation and attach a plan map showing the location of the enhancement practices implemented.

<b>Tract &amp; Field #s</b>	<b>Enhancement practice</b>	<b>Acres</b>

### **Certification**

I certify that I have installed/performed the enhancements in field(s) listed in the Table above.

Name: \_\_\_\_\_ Date: \_\_\_\_\_

**Split nitrogen application**

**\$2.00/acre**

Split application is the process of matching nitrogen supply with crop uptake during the growth periods. Initial nutrients will be 50% or less of the total projected needs with the remainder applied during at least one other growth period and based on soil or plant testing and/or recommendations.

**Documentation Required:** Use the following Table for documentation and attach a plan map showing the location of the enhancement practices implemented.

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Name: \_\_\_\_\_ Date: \_\_\_\_\_

**Precision Agriculture –GPS/record keeping/yield monitor**

**\$8.00/ac**

Precision Ag technology consists of four major components:

- Global Positioning System (GPS) receiver - Using Earth-orbiting satellites GPS receivers translate radio signals into precise geographic coordinates on the targeted cropland.
- Record Keeping – Keep written or electronic records of inputs, yields, etc. to manage precise fertilizer and pesticide input applications.
- Yield monitoring Systems - Yields in the field are measured using combine-mounted sensors or volume meters. A GPS receiver mounted on the combine supplies coordinates so that estimates of yields can be assigned to small areas of a field to create a yield map.

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Tract & Field #s	Enhancement practice	Acres

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Name: \_\_\_\_\_ Date: \_\_\_\_\_

**Precision Agriculture – variable rate application** **\$8.00/ac**

- Variable rate application technologies (VRT) - Computer-controlled equipment continually adjusts fertilizer or pesticide applications based on soil grid data. The GPS receiver enables the computer to recognize where it is in the field and adjust the types and amounts of inputs according to the soil fertility or pest population maps.

**Documentation Required:** Use the following Table for documentation and attach a plan map showing the location of the enhancement practices implemented.

Tract & Field #s	Enhancement practice	Acres

## Certification

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Name: \_\_\_\_\_ Date: \_\_\_\_\_

**Utilize filter strips along water courses and sensitive areas** **\$3.00/ac**

A strip or area of herbaceous vegetation situated between cropland, grazing land, or disturbed land (including forestland), and environmentally sensitive areas to reduce sediment, particulate organic matter, sediment-adsorbed pollutants, and soluble pollutants in surface runoff; to intercept nutrients in shallow groundwater; and to restore, create, or enhance wildlife habitat.

**Documentation Required:** Use the following Table for documentation and attach a plan map showing the location of the enhancement practices implemented.

Tract & Field #s	Enhancement practice	Acres


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Name: \_\_\_\_\_ Date: \_\_\_\_\_

- Use of slow controlled released formulation nitrogen fertilizer \$4.00/acre**

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Tract & Field #s	Enhancement practice	Acres

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Name: \_\_\_\_\_ Date: \_\_\_\_\_

- Use urea inhibitor or stabilized nitrogen \$2.00/acre**

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Tract & Field #s	Enhancement practice	Acres


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Name: \_\_\_\_\_ Date: \_\_\_\_\_

- Incorporate manure within 24 hours \$2.00/acre**

**Documentation Required:** Use the following Table for documentation and attach a plan map showing the location of the enhancement practices implemented.

Tract & Field #s	Enhancement practice	Acres

**Certification**

I certify that I have installed/performed the enhancements in field(s) listed in the Table above.

Name: \_\_\_\_\_ Date: \_\_\_\_\_

- Improve nutrient management by applying manure to all fields with FIV<75 first to more effectively manage soil phosphorus levels \$3.00/acre**

**Documentation Required:** Use the following Table for documentation and attach a plan map showing the location of the enhancement practices implemented.

Tract & Field #s	Enhancement practice	Acres

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**Certification**

I certify that I have installed/performed the enhancements in field(s) listed in the Table above.

Name: \_\_\_\_\_ Date: \_\_\_\_\_

- Improve nutrient management by applying manure based on P crop uptake for fields with FIV>75 to more effectively manage soil phosphorus levels. \$3.00/acre**

**Documentation Required:** Use the following Table for documentation and attach a plan map showing the location of the enhancement practices implemented.

Tract & Field #s	Enhancement practice	Acres

**Certification**

I certify that I have installed/performed the enhancements in field(s) listed in the Table above.

Name: \_\_\_\_\_ Date: \_\_\_\_\_

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Phone: 302-832-3100

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800 Bay Road  
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Dover, Delaware 19901-4667  
Phone: 302-741-2600

NRCS  
Sussex County Agricultural Center  
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Georgetown, Delaware 19947  
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