

## Recommendations for Using ESN on Winter Wheat in Eastern Geographies

**ESN technology protects your nitrogen investment from loss mechanisms, ensuring your wheat crop gets N when it needs it most. ESN goes beyond traditional nitrogen by providing you:**

- Maximum Yield – ESN has proven to increase yields by providing a continuous N supply when wheat needs it most.
- Maximum Flexibility – ESN can be blended with other dry fertilizers and reduce the number of required applications.
- Maximum Safety – ESN won't burn your crop like urea or ammonium nitrate.
- Convenient Application Window – ESN can allow more flexibility in nitrogen application timing.
- Protection for the environment and qualification for US Government Incentive Payments.

### Wheat Use Recommendations

ESN's controlled nitrogen release provides flexibility in nitrogen application timing. It can be used to enhance nitrogen-use efficiency and crop performance in a variety of cultural practices. The options below give general guidelines for preferred use in wheat under different nitrogen-management strategies for eastern geographies.



### Fall Applications:

- *In most eastern geographies, the majority of the N should be applied as a spring top-dress to prevent potential N losses over winter and early spring. Typically less than one-third of the total N needs should be applied in the fall at seeding.*
- *For the portion of N applied in the fall, use ESN in a blend for 50-75% of the total recommended fall N at planting to promote early tillering and continued plant health thru the winter.*
- *If more than one-third of total nitrogen needs are applied in the fall, apply a blend comprised of 80-100% ESN late in the fall after soil temperatures are cool.*

### Spring Applications:

- *ESN can be top-dressed in the spring on winter wheat as a blend with a soluble nitrogen source such as urea or ammonium sulfate*
- *A blend supplying 75-100% of the spring N needs as ESN is recommended for late winter/early spring application prior to green-up.*
- *A blend supplying 50-75% of the N as ESN is suitable for applications at green-up.*
- *For applications after green-up thru the five-leaf stage, use a blend comprised of 30-50% ESN.*
- *ESN is not recommended after the 5 leaf stage.*

**Every type of nitrogen fertilizer is applied and handled differently. These general use recommendations for ESN are based on optimal growing conditions. Your specific conditions and goals should be considered to achieve best results.**

### ESN Marketing Representative:

