

## Two PureGrade Liquid Starters to Choose From:



GoldStart is a low-salt plant food high in orthophosphates. It can be safely banded in-furrow during planting or foliar applied.

Available in these popular grades: 9-18-9, 6-24-6, 5-15-15, 3-18-18, 10-10-10 and custom blends



Diamond is a low-salt plant food that is 100% orthophosphate. It can be safely banded in-furrow during planting or foliar applied.

Available in these popular grades: 9-18-9, 3-18-18, 5-15-15, 10-10-10 and custom blends.

### ***The Power of Liquid***



**Nutra-Flo PureGrade Liquid Plant Food  
is safe for most applications.**



Manufactured only by

**Nutra-Flo® Company**

Sioux City, Iowa 51106

Ph: 800-831-4815 • [www.PureGrade.com](http://www.PureGrade.com)

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# Producing High-Yield WHEAT

**Nutra-Flo Company**

**PH: 800-831-4815**

**[www.PureGrade.com](http://www.PureGrade.com)**



# The Wheat Yield Booster!

- PureGrade Liquid Plant Food is a high-quality, 100% available fertilizer.
- They are true solutions...each drop has the same ratio of important nutrients.
- Extremely low salt index allows for higher rates of application without burn.
- High solubility means faster uptake.
- Potassium source is chloride-free and highly soluble for maximum rapid uptake during critical growing periods.
- Can be "piggy-backed" with other chemicals.
- Add EDTA-chelated micronutrients for a complete and individual program.



## STARTER APPLIED

**You can expect the best yield response when banding PureGrade Liquid Plant Food in the wheat seed furrow at planting time. Benefits include:**

- Essential for vigorous root and shoot growth.
- Increases tillering and grain heads per acre.
- Enhances energy storage and transfer in plants.
- Increases water use efficiency.
- Enhances early season growth.
- Improves nitrogen efficiency.
- Produces more pounds of forage in grazing systems.
- Promotes earlier maturity and lower moisture at harvest.
- Strengthens root systems to reduce winterkill.
- Increased yields and profits.

### Recommended Rates and Placement:

Use 3 to 12 gallons per acre of GoldStart depending on the analysis. It can be placed in the seed furrow or banded near the row. Use lower rates for grain production. Use higher rates for fall/winter/spring grazing programs.



## FOLIAR APPLIED

**Foliar apply PureGrade Liquid Plant Food to supplement soil-applied nutrients or to correct nutrient deficiencies. Benefits include:**

- Only a small amount of fertilizer is required to get a quick plant response.
- No soil fixation of foliar-applied phosphorus.
- Independent of root uptake problems.
- Enables quick response to crop nutrient problems.
- Improves fertilizer efficiency.
- Increases yields and number of heads.

### Recommended Rates and Timing:

Early spring foliar programs that include nitrogen promote an increase in heads set. Later applications during early boot stage aid in filling out developing heads.

- 1st Foliar — 3 to 4 gallons/acre at or just before tillering
- 2nd Foliar — 3 to 4 gallons/acre two weeks after 1st
- 3rd Foliar — 3 to 4 gallons/acre at boot stage

Note: For best results from a foliar fertilization program use a plant tissue analysis program to detect deficiencies.



## SPRING APPLIED

**Nitrogen, sulfur and chloride are the main soil supplied nutrients in the spring. Soil test to at least a depth of 24 inches to estimate the amount of residual nitrate, sulfur and chloride that is available. All three are mobile nutrients that are often deficient in Great Plains soils.**

**Nitrogen:** Apply an amount according to the residual nitrate test and a reasonable yield goal and protein content.

**Sulfur:** Apply Nutra-Flo's Thio-Knight liquid ammonium thiosulfate to provide sulfur according to soil test or to stabilize the nitrogen. Add Thio-Knight at a minimum of 10:1 nitrogen-to-sulfur ratio.

**Chloride:** Include soil testing for chloride when sampling for residual nitrate. Nitrate, sulfur and chloride can all be tested from the deep nitrate sample. In some areas of the country university research has shown high, consistent yield increases from the application of chloride on wheat. Chloride is a necessary nutrient that is important in suppressing leaf diseases in wheat and for increasing yield.