

Alfalfa Yield Optimization Program

The key to alfalfa yield optimization is a well balanced fertility plan. Soil testing should be done before planting (optimum pH for alfalfa is usually 6.7-6.9, but can vary by state). Assessing plant nutrition during the growing season through tissue testing is also recommended.

Application Timing	Product	Application Rate	Application Purpose
PREMIUM Stand establishment.	BRANDT REACTION® P DS BRANDT REACTION® K DS	2-5 ga/ac 2-5 ga/ac	Provides an efficient source of P and K and promotes health, vigorous crop growth.
ANNUAL FERTILIZER PRIMARY Apply with post-emergent herbicide and fungicide applications. Excellent top dress for the established stand.	MANNI-PLEX® B-MOLY	1 pt/ac	B is essential to protein synthesis, seed and cell wall division, and development. The higher the sand content of the soil, the higher the need for additional B. Mo is essential in nitrogen fixation.
PRIMARY Apply with post-emergent herbicide and fungicide applications.	BRANDT SMART TRIO® BRANDT SMART B™	1 pt/ac	Effectively delivers B, S, N, Mn which aid in herbicide metabolism, photosynthesis and plant respiration. Contains Zn, which aids in chlorophyll production as well as root and shoot growth.
PREMIUM Applied early spring once dormancy breaks.	BRANDT REACTION® S DS MANNI-PLEX® FOLI-CAL® MANNI-PLEX® MG	4-8 lbs/ac depending on sulfur needs 1.5-2 qt/ac 1.5-2 qt/ac	Sulfur aids in protein and enzyme synthesis. Soil in the eastern U.S. is highly deficient in S due to reduced emissions.
PLATINUM Apply 3-5 days after cutting.	N-BOOST®	2 qt/ac	Improves N utilization and uptake. Helps increase dry matter, relative feed value and protein content.

CUSTOM RECOMMENDATION

Product	Analysis/ Description
BRANDT REACTION® K DS	6.0% N, 49.0% K2O, 8.0% S. Formulated with BRANDT REACTION® technology.
BRANDT REACTION® P DS	2.0% N, 14.0% P2O5. Formulated with BRANDT REACTION® technology.
MANNI-PLEX® FOLI-CAL®	5.0% N, 10.0% Ca. Formulated with BRANDT MANNI-PLEX® technology.
MANNI-PLEX® MG	5.0% N, 4.0% Mg. Formulated with BRANDT MANNI-PLEX® technology.
BRANDT REACTION® S DS	21.0% N, 23.0% S. Formulated with BRANDT REACTION® technology.
BRANDT SMART TRIO®	3% S, 0.25% B, 3% Mn, 3% Zn. Formulated with BRANDT SMART SYSTEM® technology.
MANNI-PLEX® B-MOLY	3.3% B, 0.5% Mo. Formulated with BRANDT MANNI-PLEX® technology.
N-BOOST®	15% Yeast extract, 85% Bacterial fermentation extracts.
BRANDT SMART B™	5.0% B. Formulated with BRANDT SMART technology.

This information is to be used only as a guide. Local conditions such as soil properties, agronomic practices, weather and varieties should be taken into account when interpreting this table. The suggested foliar applications are designed to compliment your nutrition program. They do not replace your normal fertilizing practices. Manni-Plex®, Brandt Reaction®, N-Boost® and Brandt Smart Trio® are registered trademarks of Brandt Consolidated, Inc.

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