Balanced Foliar Nutrition Pays Off

NDEMAND® 88

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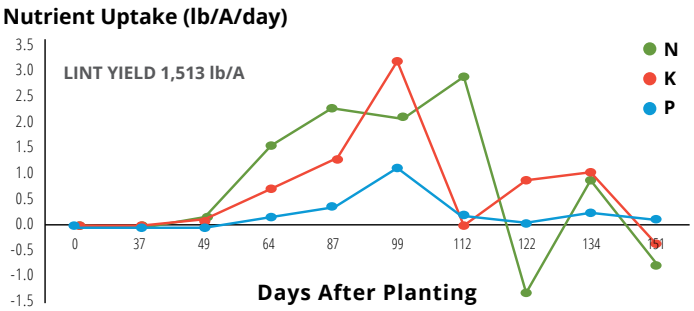
Foliar nutrition can be an excellent tool to supplement carefully planned soil fertility programs. Foliar nutrient applications can be precisely timed to periods of peak demand, avoid tie-up in soils, and help crops recover from abiotic stresses such as inclement weather.

During the 2016 season, an independent third-party research project was undertaken in the Wintergarden area of South Texas. NDemand 88 was applied at 2 qt/A/application timed to early square, first bloom (14 nodes) and the last at late bloom. These applications were timed to preclude peak demand for N, P, and K (first and second application) and to coincide with the period of peak nutrient demand (third application). See daily nutrient uptake chart for cotton below.

MAXIMUM DAILY UPTAKE OF N, K, AND P OCCURS NEAR PEAK BLOOMING



Source: Schwab et al, 2000

In this trial, the NDemand foliar nutrition program produced a 220lb lint yield gain over the untreated control making this a profitable investment for the grower.

Treatment	Yield (lb lint/A)	Yield Gain (lb lint/A)	(%)
NDemand 88	2131	220 lb (+)	11.5%
Untreated	1911		

NDemand 88 has the analysis of 10-8-8 and contains supplemental sulfur, zinc, manganese, copper, and boron to make this a very well balanced macro and micronutrient product. The nitrogen is derived from urea and polymer nitrogen that acts as a humectant so spray remains wet on treated leaves longer for more complete foliar absorption. The zinc, manganese, and copper are fully chelated for maximum tank mix compatibility and performance.

In another experiment, NDemand 88 was applied as a rescue treatment to cotton that had been stressed after prolonged soil saturation and reduced sunlight. Yield data was not available, but a very dramatic visual response occurred shortly after application.

FEATURES AND BENEFITS

- Excellent broad spectrum foliar nutrient source containing 8 essential nutrients that are key for cotton growth, fruit set, and fiber maturation.
- Mixes well with glyphosate and Liberty®, insecticides, and PGRs.
- Contains polymer nitrogen for rapid uptake and assimilation.
- Fast-acting and safe.
- Standard recommendation is 1-2 qt per acre beginning at early square followed by another application 2 weeks later. A third application at peak bloom is advised in cotton with 2+ bale yield potential.

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