

Trial Results

11/10/18

Nitrogen Use Efficiency and Improved Yield With Duo Maxx Fertilizer for Side Dress Nitrogen



Crop:
Corn

Researchers:
Contract Researcher Jay Garber
and Timac Agro USA

Site Locations:
Southern Lancaster, PA

OBJECTIVE

To compare the effects of Duo Maxx added to nitrogen fertilizer to improve both yield and nitrogen use efficiency.

STUDY INFORMATION

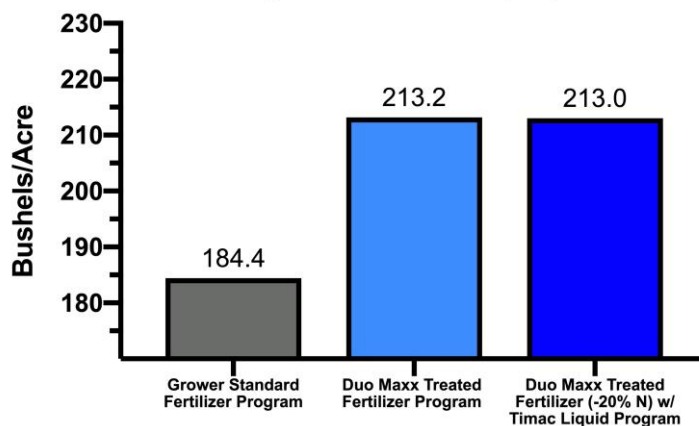
This plot was replicated four times. The plots was no till with the nitrogen applied early side dress at V3. The previous crop was corn with manure applied in the fall. The nitrogen was applied at 120 units per acre as 36-0-0-7S surface applied banded. 2018 was an excessive rain year. The annual rainfall was 2X normal with much of the rain happening late summer and fall. This plot had multiple 4-5" rain events and nitrogen loss was evident.

KEY FINDINGS

+28.8 bu/ac
with Duo Maxx

NUE of .7 units of N per bushel

Corn Yield Response from Duo Maxx Treated Side-Dress Fertilizer (Southern Lancaster, PA)



APPLICATION

Trial ID: DT-19-NE-COR-DM-2

Treatment	Application Rate	Yield (bu/ac)
Control	120 units	184.4
Duo Maxx with nitrogen	120 units	213.2 (+28.8)
Duo Maxx with 20% less nitrogen with Fertiactyl (In-furrow) & Fertileader (V5)	96 units	213 (+28.6)

For more information on this trial, please contact JMartin@TimacUSA.com