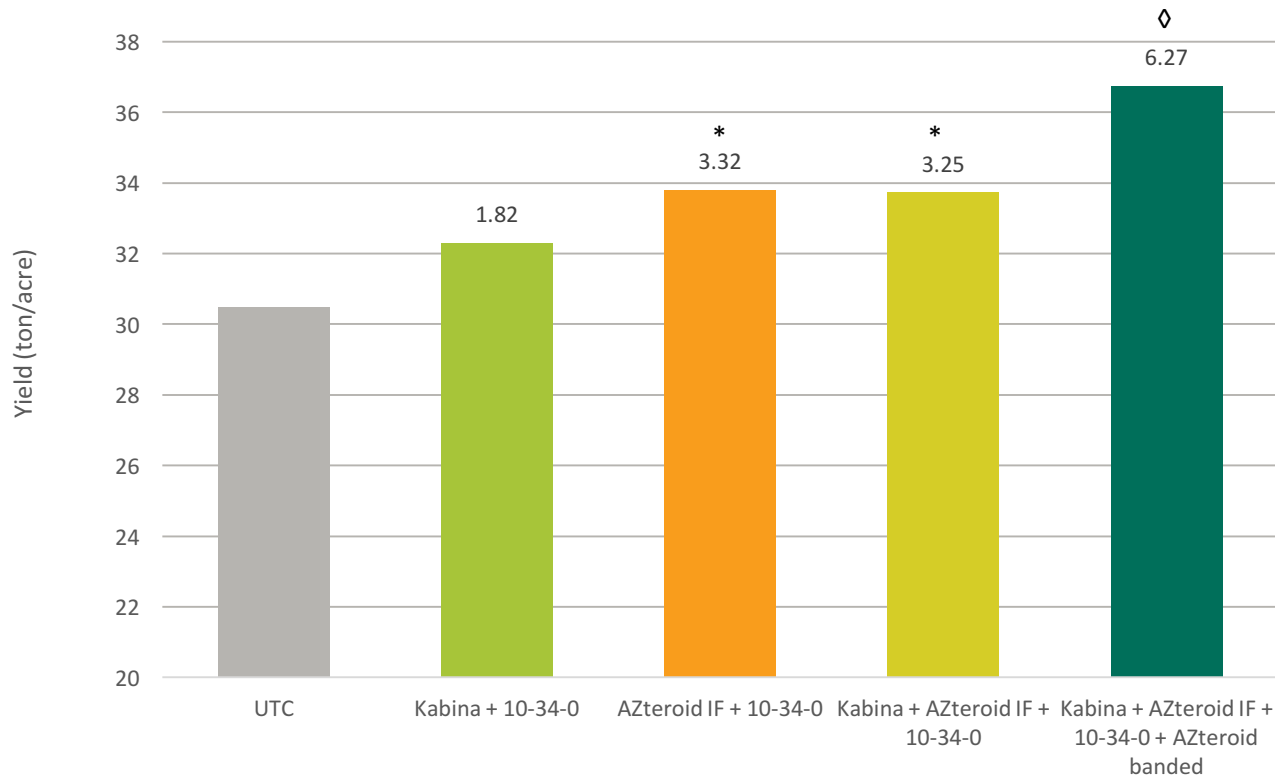




2016 - Sugarbeet yield response to AZteroid



Location: NDSU, Hickson, ND

Comments: Asterisks denote statistically significant differences (planned contrasts, $p < 0.05$) between the untreated check (UTC) and fungicide treatments. A diamond denotes statistically significant differences (planned contrasts, $p < 0.05$) between Kabina and AZteroid treatments. Numbers above bars indicate the difference in yield between the fungicide treatment and the UTC. AZteroid in-furrow rates were 0.5 and 1.0 fl. oz / 1000 row feet – performance was similar at both rates. Banded rate was 1.0 fl. oz. / 1000 row ft.



VIVE HARVEST REPORT

LOCATION: NDSU, Hickson, ND	DATE: 11/7/2016
-----------------------------	-----------------

CROP: Sugarbeet		
VIVE PRODUCT USED: AZteroid	PLANT DATE: 5/2/2016	HARVEST DATE: 9/27/2016
TILLAGE TYPE: <input type="checkbox"/> MIN <input type="checkbox"/> STRIP <input checked="" type="checkbox"/> CONV	PREVIOUS CROP:	

FERTILITY PROGRAM (amount of fertility, type / analysis, application type and timing):
 10-34-0 was applied in-furrow at a rate of 3 gal/A with a spray volume of 6 gal/A.

SOIL TYPE: silty clay	SOIL PH: 7.5	SOIL OM: 7.3%	PHOSPOHRUS: 20 ppm
-----------------------	--------------	---------------	--------------------

TRIAL HYBRID(S): Crystal 101RR	IRRIGATED : <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	SEEDING POPULATION:
APPLICATION EQUIPMENT: 18 PSI, #29 orifa nozzle	AGITATION IN TANK: <input type="checkbox"/> YES <input type="checkbox"/> NO	

CARRIER FOR VIVE PRODUCT: 10-34-0 (3 gal/A) + water (3 gal/A)

TREATMENT	YIELD (ton/acre)	Stand Count (38 DAA)	Stand Count (at harvest)
UTC (untreated check)	30.48	169.5	156
Kabina + 10-34-0	32.3	182.5	186
AZteroid + 10-34-0	33.8	177.75	176
Kabina + AZteroid in-furrow+ 10-34-0	33.73	188	178.75
Kabina + AZteroid in-furrow + 10-34-0 + AZteroid banded foliar	36.75	182.5	186.5

YIELD CORRECTED TO STANDARD MOISTURE <input type="checkbox"/> YES <input type="checkbox"/> NO	OBSERVATIONS FROM MIXING: <input checked="" type="checkbox"/> NO ISSUES SEEN <input type="checkbox"/> POTENTIAL PROBLEM OBSERVED
---	---

DESCRIBE ANY PROBLEMS:

IN-SEASON OBSERVATIONS: Trial was inoculated with *Rhizoctonia solani* pre-plant. Dry spring lead to slow disease progression and slow crop emergence. Trial included 2X rate to test for crop safety – no phytotoxicity was seen at the 2X rate.