2012 CMDC
No Plant Left Behind: The impact of phosphorous placement on early season growth and yield of corn
HAEGELE

Nutrition Needed for 230 Bushel Corn

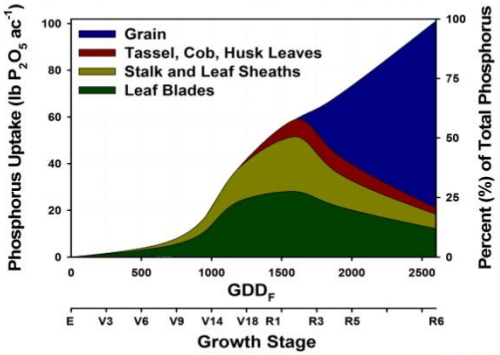
Nutrient	Required to Produce	Removed with Grain	Harvest Index
	lbs/acre		%
N	256	148	58
P_2O_5	101	80	79
K_2O	180	58	32
S	23	13	57
Zn (oz)	7.1	4.4	62
B (oz)	1.2	0.3	23

Average of 6 hybrids grown at Champaign and DeKalb, IL in 2010.

Crop Physiology

2012CMDC-7-17Haegele (1)

P Uptake & Partitioning for 230 Bushel Corn



Average of 6 hybrids grown at Champaign and DeKalb, IL in 2010.

Crop Physiology

2012CMDC-7-17Haegele (2)

Omission Plot Experimental Design

	TREATMENT	Fertility	Nitrogen	Genetics	Population	Fungicide
		FACTORS				
	HIGH TECH	MESZ	Base + Slow release	Racehorse	45,000	Strobilurin
Remove Technology	Fertility	No P & K	Base + Slow release	Racehorse	45,000	Strobilurin
	Nitrogen	MESZ	Base	Racehorse	45,000	Strobilurin
	Genetics	MESZ	Base + Slow release	Workhorse	45,000	Strobilurin
	Population	MESZ	Base + Slow release	Racehorse	32,000	Strobilurin
	Fungicide	MESZ	Base + Slow release	Racehorse	45,000	none
	STANDARD	No P & K	Base	Workhorse	32,000	none
Add Technology	Fertility	MESZ	Base	Workhorse	32,000	none
	Nitrogen	No P & K	Base + Slow release	Workhorse	32,000	none
	Genetics	No P & K	Base	Racehorse	32,000	none
	Population	No P & K	Base	Workhorse	45,000	none
	Fungicide	No P & K	Base	Workhorse	32,000	Strobilurin

Crop Physiology

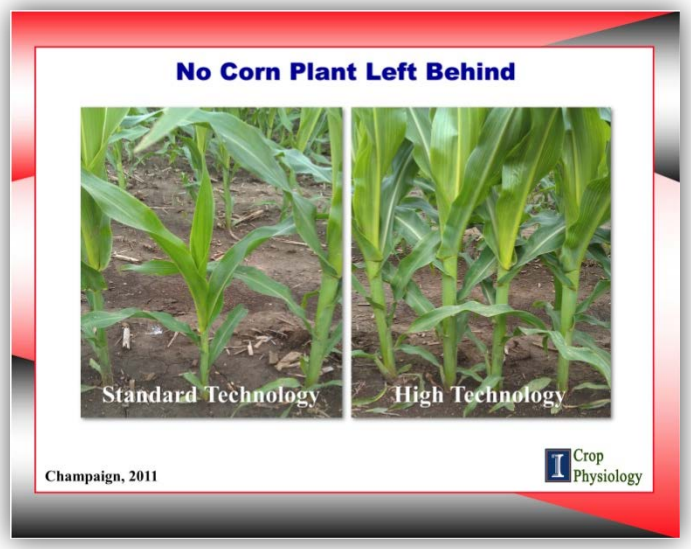
2012CMDC-7-17Haegele (3)

Improved Growth with Spring-Banded MESZ

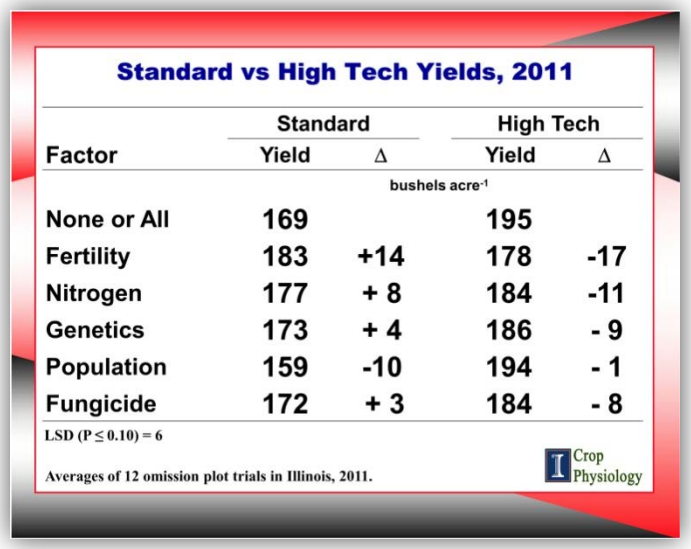
Champaign, 2011

Crop Physiology

2012CMDC-7-17Haegele (4)



2012CMDC-7-17Haegele (5)



2012CMDC-7-17Haegele (6)