

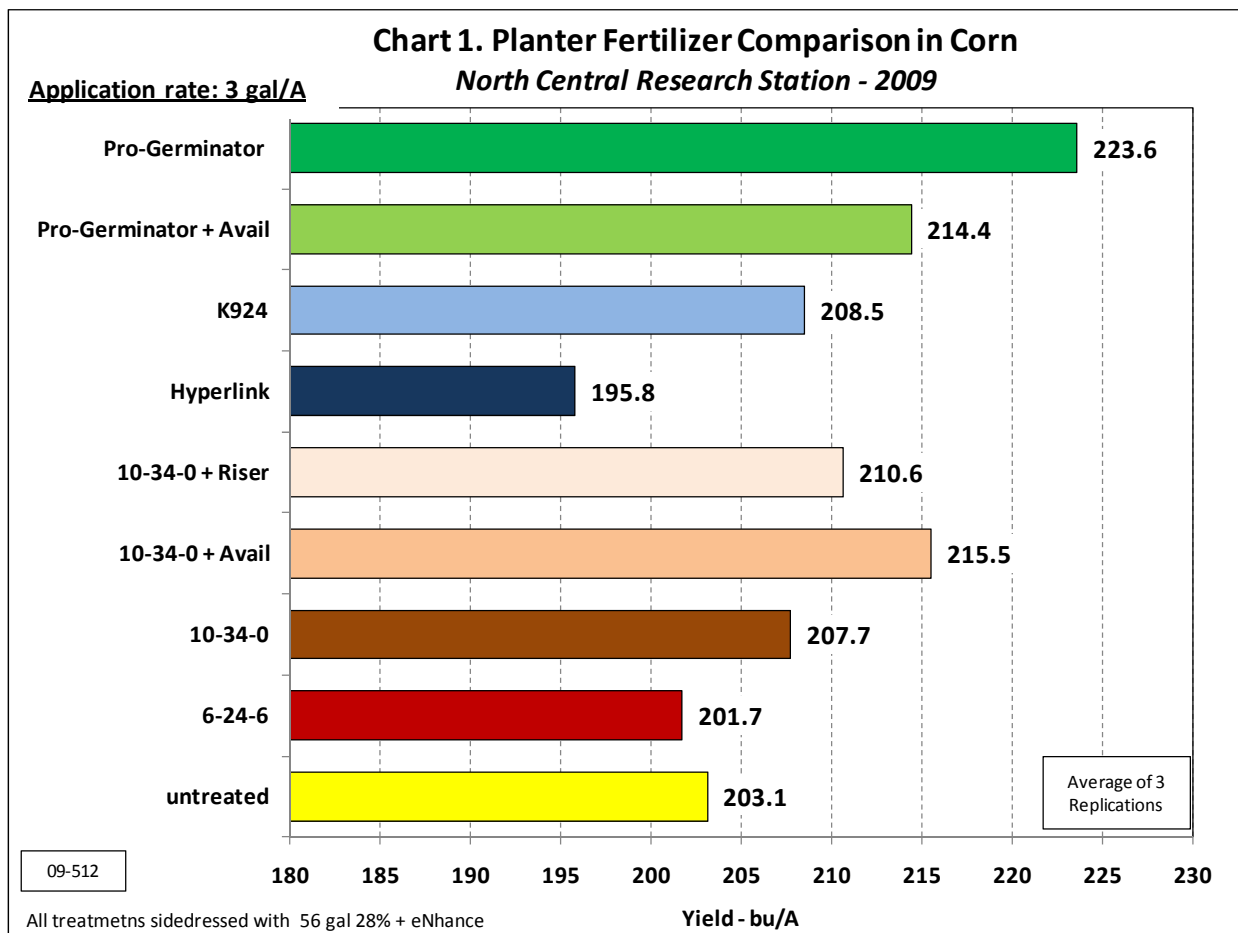


**Experiment:** Planter Fertilizer Comparison in Corn (09-512)

<b>Planted:</b> 5/8/109	<b>Hybrid:</b> DKC52-59	<b>Population:</b> 36,000
<b>Plot Size:</b> 15' x 100'	<b>Replications:</b> 3	<b>Harvested:</b> 11/5/09
<b>Sidedress:</b> 6/5/09		

<b>Soil Test Values (ppm):</b>													
pH	CEC	% OM	Bicarb	K	S	% K	% Mg	% Ca	% H	% Na	Zn	Mn	B
7.1	8.4	1.8	16	71	11	2.2	21.3	74.6	0	1.3	0.9	6	0.6

**Objectives:** Compare a number of different liquid planter-applied fertilizers for effects on corn yield. This soil tested relatively high in soil phosphorus, and the recommendation was for only 14 lb/A of phosphate for 200 Bu/A. As such, all products were applied at the same rate of 3 gal/A. Application was in-furrow with seed firmers.



**Results:**

LSD(0.05): 9.7, (0.2): 6. CV: 5.03%

**Conclusions:**

- Application of Pro-Germinator produced the highest yield by a significant margin over the other fertilizers. It is not clear why the addition of Avail resulted in a reduced yield. But the flavonol encapsulation of Pro-Germinator precludes the need for additional protection from tie-up, as Avail promotes. So there may have been some sort of interaction.
- Addition of Avail did increase yield produced with 10-34-0.

\*See *Product Descriptions* in the introduction for more information on ACLF products used.