

This year's corn crop was dramatically influenced by the fertility applied to the previous year's soybean fertility program. In our specific instance, the corn programs were either 29-50-75-15S-.535Zn-.3B or 29-55-85-15S-.642Zn-.4B dribble banded for the 2013 corn crop. The 2013 corn yield results as influenced by 2012 soybean fertility program can be seen in Table 2.

Table 2 Influence of Soybean Fertility on 2013 Corn Yields

<u>Dribble Banded Soybean Fertility (lbs. /A)</u>	<u>Corn Yield (Bu/A)</u>	<u>Cost (\$/A)</u>	<u>Net (\$/A)</u>
17-40-80	189.7	-----	-----
17-40-80-1.3Mn	190.1	4.50	(2.80)
17-40-80-10S	195.5	8.75	15.90
17-40-80-10S-1.3Mn	200.0	13.25	30.52

Corn: \$4.25/Bu.

Source: Ag 10 Research Center, Walcott, IA

The addition of a small to modest rate of Boron (B) is increasing our corn yields consistently and has a big positive benefit to our per acre profitability. This increased profitability can be seen in Table 3.

Table 3 Influence of Boron on Corn Yields for 2010-2013

<u>Applied Dribble Fertility (lbs./A)</u>	<u>2010-2013</u>		<u>\$/A</u>	
	<u>Yield (Bu/A)</u>	<u>Harvest Moisture (%)</u>	<u>Cost</u>	<u>Net</u>
24-55-85-10S-.428Zn	208.7	23.3	-----	-----
24-55-85-10S-.428Zn-.2B	211.6	23.3	2.30	10.02

Previous Crop: Soybeans

Source: Twin State, Inc.

Corn Price: \$4.25/Bu.

Ag 10 Research Center, Walcott, IA

The addition of Instinct® to our early June N application has increased our corn yields by 5.2 Bu/A in our 4 year study. We would recommend the 35 oz. Instinct® rate with the largest N addition in the spring and 18 oz. Instinct® for our post N application.

Table 4 Influence of Instinct® on Corn Yields for 2010-2013

<u>Side dress N Lbs. N/A</u>	<u>Instinct® Oz/A</u>	<u>Method of Application</u>	<u>Yield Bu/A</u>	<u>Harvest Moisture (%)</u>	<u>\$/A</u>	
					<u>Cost</u>	<u>Net</u>
50	0	Dribble	180.2	22.2	-----	-----
50	30	Dribble	185.4	22.7	11.25	10.85

Previous Crop: 17-20 year continuous corn

Source: Twin State, Inc.

Application Date: 1st week of June

Ag 10 Research Center

Total N/A: 200 lbs.

Walcott, IA

Corn Price: \$4.25/Bu.