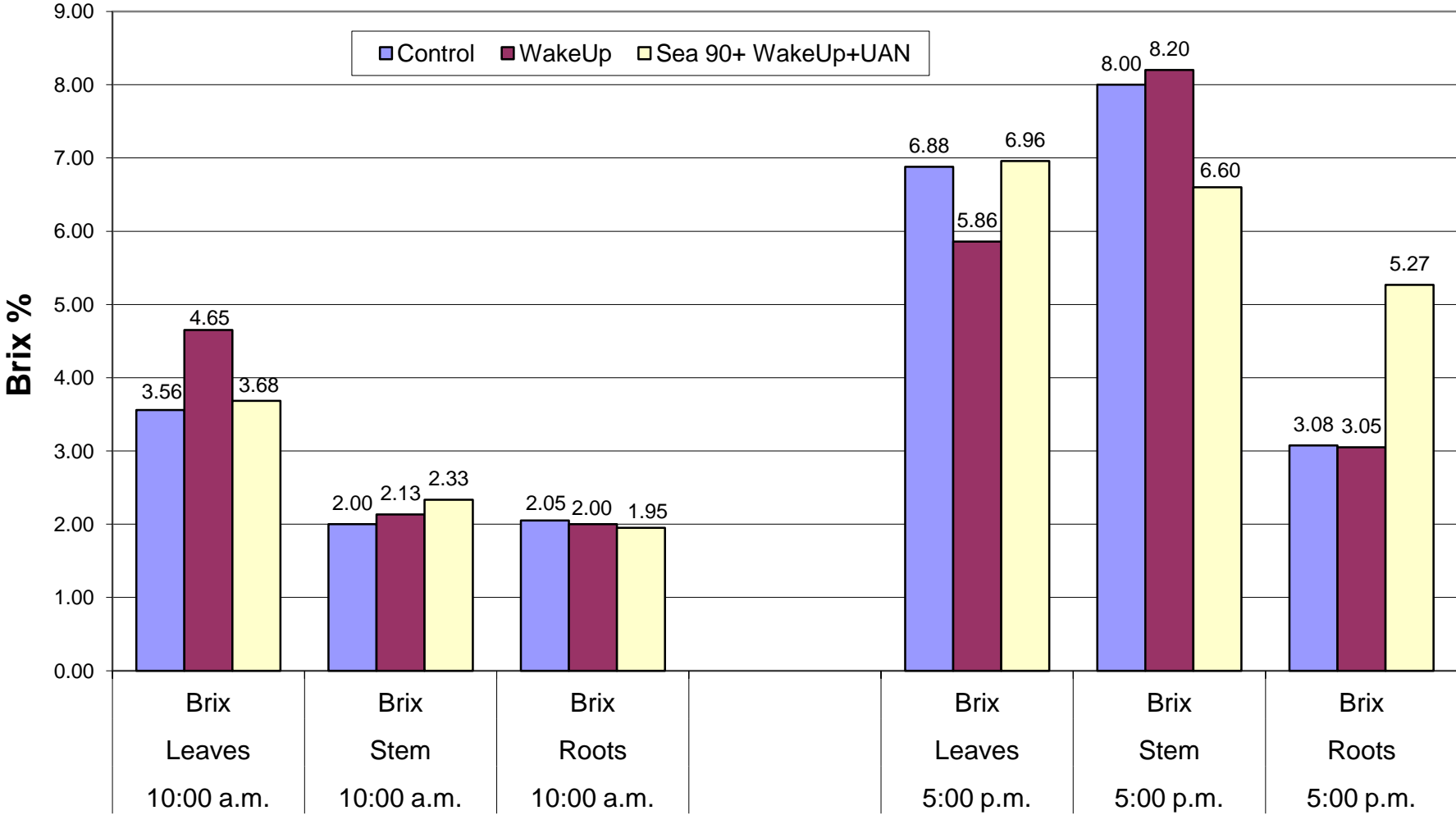


**Brix in Young Corn plants on July 31 2012,  
38 and 45 hours after foliar application at Martinsville IL**



Experiment designed and conducted by Jim Porterfield

# SEA-90 Brix Research 2012

July 31, 10:00 a.m. 38 hours after foliar application			
Foliar Treatment	10:00 a.m. Leaves Brix	10:00 a.m. Stem Brix	10:00 a.m. Roots Brix
<b>Control</b>	3.8	1.4	1.2
<b>None</b>	2.8	2.6	1.8
<b>V-5</b>	3.5		2.3
	3.1		2.9
	4.6		
<b>Average</b>	<b>3.56</b>	<b>2.00</b>	<b>2.05</b>
<b>WakeUp V-5</b>	4.5	1.3	1.3
	4	2.2	1.8
	4.2	2.9	2
	4.5		2.9
	5.2		
	5.5		
<b>Average</b>	<b>4.65</b>	<b>2.13</b>	<b>2.00</b>
<b>Sea90</b>	2.7	2.2	1.2
<b>WakeUP</b>	2.8	2.1	1.9
<b>UAN</b>	4	2.7	2.2
<b>V-5</b>	3.5		2.5
	4.8		
	4.3		
<b>Average</b>	<b>3.68</b>	<b>2.33</b>	<b>1.95</b>

July 31, 5:00 p.m. 45 hours after foliar application			
Foliar Treatment	5:00 p.m. Leaves Brix	5:00 p.m. Stem Brix	5:00 p.m. Roots Brix
<b>Control</b>	4.7	8	2.1
<b>V-4</b>	6		2.3
	7		3.5
	8.2		4.4
	8.5		
<b>Average</b>	<b>6.88</b>	<b>8.00</b>	<b>3.08</b>
<b>WakeUp V-4</b>	2.6	7.9	2.2
	4.3	8.5	2.4
	7.1		3.5
	7.5		4.1
	7.8		
<b>Average</b>	<b>5.86</b>	<b>8.20</b>	<b>3.05</b>
<b>Sea90</b>	4.5	6.4	4.3
<b>WakeUP</b>	6.3	6.8	5.6
<b>UAN</b>	7.5		5.9
<b>V-4</b>	8.1		
	8.4		
<b>Average</b>	<b>6.96</b>	<b>6.60</b>	<b>5.27</b>

88 Degrees 51% Hum

Wind 5 mph S. Clear

Foliar sprays were applied about 8:00 p.m. Sunday July 29.

WakeUp at 10 oz/ac in 20 gal water

99 degrees, 30% Hum

Wind 15 Mph WNW Partly cloudy

SEA-90 at 5 lb/ac + WakeUp 10oz/ac + 28% UAN at 0.56 LbN/ac in 20 gal/ac water

Each data set is from one plant. Sap was squeezed a number of times from each plant's various parts until no more sap could be squeezed out with a hand operated garlic press. Stems consisted of four, 3/4" segments.

The stems contained the least sap. There was a consistent increase in brix numbers from the first few drops of sap measured, until the last drops were able to be extracted.

Of note, is that as of 5:00 p.m. Tuesday, July 31, the roots in the plots sprayed with the Sea90 combo mix, had 72 % more brix than the Control or the WakeUP treatment and still had a higher leaf brix content than the corn in the other plots.