

2011 UCCE Grain Corn Trial

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Cooperator: Tom Barcellos, Tipton, Tulare County

Soil types: sandy loam to loam

Planted flat after disking: March 14, 2011

Corn emerged: March 31, 2011

At planting, 3-12-0 applied at 20 gpa 2 inches below and to the side of the seed row

Plot size: 10 (30-inch) rows x length of field (1691 ft); 3 replications

Harvested: September 6, 2011; 8 rows length of field; combine yield monitor used for weights

BRAND	Stand Counts	July 15 Stalk Height (ft)	July 15 Ear height (ft)	July 15 Spider mite Rating	Tons Grain /A at harvest	Grain Moisture at Harvest (%)	Tons Grain /A corrected to 15.5% moisture	Bushel Weight at harvest (lbs)	Bushel weight corrected to 15.5% moisture
NuTech 3A-919	30,806 ab	11.0 a	3.8 bc	6.3	5.47 abc	13.8 abc	5.58 a	58.7 abcde	59.9 abcd
Croplan 8410VT3/P	30,380 b	8.9 cd	3.5 bc	6.5	5.10 ab	13.0 bcd	5.25 ab	58.3 abcde	60.1 abcd
B-H Genetics BH 8933VT3	32,026 a	9.4 bc	4.5 a	5.5	4.99 abc	12.5 cd	5.17 ab	57.0 e	59.1 cd
Pioneer P 1625HR	30,626 b	10.2 ab	4.0 ab	6.6	4.90 abc	13.4 abcd	5.02 abc	60.3 a	61.8 a
Dynagro D51VP40	30,434 b	8.9 cd	3.2 cde	7.3	4.80 abc	12.2 d	4.99 abc	58.7 abcde	61.0 abc
Integra INT 9650 VT3PRO	30,554 b	9.7 bc	3.6 bc	7.0	4.74 abc	12.3 d	4.92 abc	57.7 cde	59.8 abcd
NK N68B GT	28,614 c	8.3 d	2.7 de	6.3	4.56 bc	12.0 d	4.75 abc	57.3 de	59.7 bcd
Eureka 7532 VT3	31,726 ab	10.1 b	3.6 bc	7.0	4.56 bc	12.6 bcd	4.71 abc	58.3 abcde	60.3 abcd
DK DKC 67-88	31,534 ab	9.4 bc	3.7 bc	5.8	4.62 abc	13.9 ab	4.71 abc	60.0 ab	61.1 abc
Mycogen 2T784	28,846 c	9.7 bc	3.3 cd	6.2	4.53 bc	14.6 a	4.58 bc	58.0 bcde	58.6 d
DK DKC 64-69	30,500 b	8.3 d	2.6 e	6.5	4.13 cd	12.7 bcd	4.26 cd	59.3 abcd	61.3 ab
Mission Tech 9110 RR	30,546 b	9.4 bc	3.4 bc	6.7	3.59 d	12.7 bcd	3.71 d	59.7 abc	61.6 ab
<i>Grand mean</i>	<i>30,550</i>	<i>9.40</i>	<i>3.5</i>	<i>6.5</i>	<i>4.67</i>	<i>13.0</i>	<i>4.8</i>	<i>58.6</i>	<i>60.4</i>
<i>Probability</i>	<i>0.001</i>	<i>0.000</i>	<i>0.000</i>	<i>0.21</i>	<i>0.01</i>	<i>0.004</i>	<i>0.006</i>	<i>0.017</i>	<i>0.020</i>
<i>LSD .05</i>	<i>1,363</i>	<i>0.89</i>	<i>0.58</i>	<i>NS</i>	<i>0.75</i>	<i>1.2</i>	<i>0.77</i>	<i>1.83</i>	<i>1.78</i>
<i>CV %</i>	<i>2.64</i>	<i>5.55</i>	<i>9.76</i>	<i>11.26</i>	<i>9.54</i>	<i>5.5</i>	<i>9.41</i>	<i>1.84</i>	<i>1.74</i>

Within a column, values followed by a common letter do not differ at the 5% level of probability using Duncan's Multiple Range Test. If the probability (P) is larger than 0.05, then there are no differences among treatments.