

Table 1. 2003 UCCE Tulare County No-Till Roundup Ready Silage Corn Variety Trial¹

C. Frate, UCCE
 Grower: Tom Barcellos

Planted: May 17, 2003
 Harvested: August 17, 2003
 Soil type: Chino loam

Brand	Moisture @ harvest %	Yield as harvested tons/A	Yield adjusted to 70% moisture tons/A	Plant height ft	Aphid Rating ²	Seed Count ³ at planting	Stand Count ⁴ June 6-10
DK 6680RR (field variety)	71.2 b	27.9 a	26.8	10.5	0.3 A	32,600	32,784
NC+6962RR	71.2 b	27.0 a	25.9	10.5	0.3 A	32,200	30,516
Hytest 7815RR	73.0 a	26.6 ab	24.0	9.6	3.0 B	31,800	30,734
Golden Harvest 9599 RR	71.1 b	26.2 ab	25.3	10.2	1.3 A	32,800	30,634
Baglietto 5636RR	71.1 b	25.2 abc	24.2	10.3	1.2 A	32,900	30,634
ST 7624RR	71.9 ab	24.5 abc	22.9	10.0	0.3 A	31,400	25,734
Asgrow RX897RR	71.4 b	24.1 abc	23.0	10.3	1.2 a	30,400	31,500
Croplan 827RR	73.0 a	24.1 abc	21.7	9.8	4.2 c	31,900	29,766
DK 6760 RR	68.5 c	22.5 bcd	23.5	9.5	2.5 b	32,400	30,300
Mycogen 2D701	67.9 c	21.5 cd	23.0	9.3	1.2 a	32,500	28,684
Lazer Brand 64-C2RR	67.3 c	21.3 cd	23.1	9.4	0.3 a	32,100	30,666
DynaGrow 57K14	67.8 c	19.6 d	21.0	9.0	0.5 a	30,600	24,884
<i>Trial Average</i>	<i>70.4</i>	<i>24.2</i>	<i>23.6</i>	<i>9.8</i>	<i>1.4</i>	<i>31,967</i>	<i>29,736</i>
<i>CV%</i>	<i>1.2</i>	<i>9.3</i>	<i>9.8</i>	<i>8.2</i>	<i>46.7</i>		<i>3.96</i>
<i>LSD</i>	<i>1.40</i>	<i>3.82</i>	<i>NS</i>	<i>NS</i>	<i>1.1</i>		<i>998</i>

¹Within a column, values followed by a common letter do not differ significantly at the 5% level of probability using Duncan's Multiple Range.

²Aphid ratings taken in late August: 0 = none and 5 = most plants with heavy aphid populations.

³Seed Count is the "ball park" figure noted in the tractor from readouts during planting. The two lowest counts were large seeds (large round and large flat) while the planter was set for medium sized seed.

⁴Stand counts based on 20 readings per check, each representing 1/1000th of an acre.
 Stand counts differed significantly by rep: Rep I = 29,092; Rep II = 29,458; and Rep III = 30,658.

Table 2. 2002 Round Up Ready Silage Corn Variety Trial
University of California Cooperative Extension - Kings County

Cooperator: Bill Longfellow

Harvested by: Netto Ag, Inc.

Planted: May 6, 2002

Harvested: Aug. 22 @ 108 days

UC Farm Advisor: Carol Collar

UC Field Assistant: Oscar Lopez

Site: N side of Idaho between 7th and 8th Ave.

Plot size: 8- 38" rows X 1230 ft, 4 reps

Company	Brand	Tons/Acre adjusted to 30% DM	% Dry Matter at harvest	Tons/Acre as harvested	Plants per acre	Plant height (ft.)	Ear height (ft.)	Ear % DM	Lbs/ear. @ 60% DM
Baglietto	5636 RR	36.2	26.7	40.6	33,500	11.5	6.1	52.2	0.50
DeKalb	668 RR	33.5	27.8	36.1	29,500	10.9	5.5	55.0	0.56
Asgrow	RX897 RR	33.2	28.0	35.6	28,750	10.8	5.7	55.6	0.59
United Agr Prod	5467 RR	33.2	33.9	29.4	28,750	9.8	4.1	58.3	0.77
SeedTec	7624 RR	33.2	26.7	37.3	31,250	10.4	5.1	53.4	0.57
HyTest	7815 RR	31.7	26.3	36.2	30,500	10.4	5.8	52.7	0.55
Croplan	827 RR	30.3	26.3	34.5	30,250	10.1	5.6	53.4	0.55
<i>Coefficient of Variation %</i>		<i>4.86</i>	<i>3.97</i>	<i>3.90</i>	<i>1.74</i>	<i>2.76</i>	<i>4.26</i>	<i>3.64</i>	<i>9.44</i>
<i>LSD (0.05)</i>		<i>2.384</i>	<i>1.65</i>	<i>2.064</i>	<i>764.7</i>	<i>0.423</i>	<i>0.334</i>	<i>2.871</i>	<i>0.795</i>
<i>average of all plots</i>		<i>33.04</i>	<i>27.95</i>	<i>35.67</i>	<i>30,357</i>	<i>10.54</i>	<i>5.42</i>	<i>54.36</i>	<i>0.58</i>

Plants per acre were measured at harvest.

Ear weights were measured at both ends of the field in all 4 reps.

Ten consecutive ears were harvested, weighed and sampled for dry matter.

Table 3. 2002 UCCE Round Up Ready Silage Corn Trial - Kings County

Cooperator: Bill Longfellow

Planted: May 6, 2002

Harvester: Netto Ag., Inc

Harvested: Aug. 22, 2002

Company	Brand	Tons/A adjusted to 30% DM	% Dry Matter at Harvest	% Crude Protein	% ADF	% NDF	% Digestible NDF	% Non-fibrous Carbohydrate	% Digestible DM	TDN (if fed @ 1X maintenance)	NE 1 (if fed @ 3X maintenance)	Lbs/ear. @ 60% DM
Baglietto	5636 RR	36.2	26.7	8.0	27.6	43.3	46.5	40.1	76.9	68.8	0.657	0.50
DeKalb	668 RR	33.5	27.8	8.0	29.3	46.1	46.1	37.8	75.1	67.0	0.635	0.56
Asgrow	RX897 RR	33.2	28.0	7.9	29.7	46.1	44.7	37.6	74.5	66.4	0.630	0.59
United Agr Prod	5467 RR	33.2	33.9	7.6	21.7	36.2	45.4	48.7	80.2	73.6	0.715	0.77
SeedTec	7624 RR	33.2	26.7	8.3	28.3	42.6	44.8	39.9	76.5	67.8	0.649	0.57
HyTest	7815 RR	31.7	26.3	7.9	29.6	46.5	43.9	36.0	73.9	65.5	0.619	0.55
Croplan	827 RR	30.3	26.3	7.9	28.6	44.1	46.3	38.9	76.3	68.0	0.647	0.55
<i>Coefficient of Variation %</i>		<i>4.86</i>	<i>3.97</i>	<i>3.38</i>	<i>5.31</i>	<i>5.26</i>	<i>5.12</i>	<i>6.25</i>	<i>2.55</i>	<i>3.29</i>	<i>3.94</i>	<i>9.44</i>
<i>LSD (0.05)</i>		<i>2.384</i>	<i>1.65</i>	<i>0.399</i>	<i>2.20</i>	<i>3.40</i>	<i>3.45</i>	<i>3.70</i>	<i>2.89</i>	<i>3.33</i>	<i>0.04</i>	<i>0.795</i>
<i>average of all plots</i>		<i>33.04</i>	<i>27.95</i>	<i>7.9</i>	<i>27.8</i>	<i>43.5</i>	<i>45.4</i>	<i>39.9</i>	<i>76.2</i>	<i>68.1</i>	<i>0.7</i>	<i>0.58</i>

Percent crude protein, acid detergent fiber (ADF) and neutral detergent fiber (NDF) measured by "wet" chemistry.

Values for CP, ADF, NDF, dig NDF, non-fibrous carbohydrate, dig DM, TDN and NE 1 expressed on 100% DM basis.

Digestible NDF measured by 30 hour in vitro analysis.

Energy calculations for TDN and Net Energy for lactation (NE 1) are the UC Davis equations as described in "Robinson, P.H., 1999. Estimating the Energy Value of Ruminant Feedstuffs.

Available on the Web at: animalscience.ucdavis.edu/faculty/robinson.

Analyses conducted by JL Analytical Services, Inc.