

Table 4. Yield Results from the 2011 UCCE Tulare/Fresno Corn Silage Variety Trial<sup>1</sup>

*C. Frate & S. Mueller, Tulare and Fresno Counties respectively*

Cooperator: Gil Replogle and Milky Way Dairy

Planted June 16, 2011; Harvested October 7, 2011 soil type: sandy loam

Plot size: 5 30-inch row x 1/4 mile with 3 replications. Entire plot was harvested for yield data.

Brand	Stand Count <sup>2</sup> June 28, 2011	Tons/A as Harvested	Average Moisture at Harvest (%) <sup>3</sup>	Tons/A adjusted to 70% Moisture
NK N82V	30,167	33.47 a	63.0 ab	41.22 a
Integra 9682 VT3	30,833	30.85 ab	62.3 b	38.85 ab
ES 7616 RR	31,167	30.10 ab	62.0 b	38.07 ab
NuTech 3A-919	30,917	27.99 b	59.3 bcde	38.02 ab
Baglietto 5517	31,333	29.52 b	61.7 b	37.96 ab
DK 67-86	31,250	27.84 b	59.7 bc	37.40 abc
BH 8933 VT3	31,000	22.64 c	54.7 cdef	34.19 bc
DK 64-69	31,667	22.30 c	53.3 ef	33.94 bc
MCT-6751GT	30,583	24.17 c	58.3 bcde	33.67 bc
TMF2L872	31,917	31.30 ab	68.0 a	33.56 bc
Mission 9110 RR	29,333	20.99 c	53.7 def	32.34 c
Croplan 851 VT3	30,667	15.05 d	50.0 f	25.00 d
<i>Grand Mean</i>	<i>30,903</i>	<i>26.35</i>	<i>58.8</i>	<i>35.35</i>
<i>CV%</i>	<i>2.95</i>	<i>7.26</i>	<i>3.86</i>	<i>7.97</i>
<i>Probability</i>	<i>0.14</i>	<i>0.0000</i>	<i>0.0000</i>	<i>0.0001</i>
<i>LSD (P=0.05)</i>	<i>NS</i>	<i>3.246</i>	<i>3.8</i>	<i>4.785</i>

<sup>1</sup> Values are the means of 3 replications. Within a column, values followed by the same letter are not different at the 5% probability level using Duncan's Multiple Range Test.

<sup>2</sup> Based on 4 locations per plot, 5 rows per location, 0.5 thousandths of an acre per count

<sup>3</sup> Moistures are based on the average of 2 samples per variety per replication.

Table 5. Quality Summary from the 2011 UCCE Tulare-Fresno Silage Corn Variety Trial<sup>1,2</sup>

*C. Frate and S.C. Mueller, Tulare and Fresno Counties respectively*

Cooperator: Gil Replogle and Milky Way Dairy

Planted June 16 and harvested October 7, 2011

Soil type: sandy loam

Plot Size: 5 30-inch rows by 1/4 mile; 3 replications; all rows harvested for yield data

Brand	Crude Protein (% DM)	Acid Detergent Fiber (% DM)	Neutral Detergent Fiber (% DM)	NDF 30 hr Digestibility (% NDF)	Lignin (% DM)	Starch (% DM)	Starch Digestibility 7 hr (% DM)	TDN (% DM)	Milk per Ton <sup>3</sup>
NK N82V	7.9 ab	24.9	38.1	55.37 ab	3.0	35.2	67.5	71.9	3210 ab
Integra 9682 VT3	7.5 bc	27.5	42.8	53.60 b	3.4	31.9	62.8	70.2	3071 abc
ES 7616 RR	7.5 bc	26.6	40.2	52.83 b	3.4	32.9	62.8	70.7	3128 abc
NuTech 3A-919	7.3 c	25.6	40.6	51.67 b	3.4	35.0	64.8	71.0	2991 bcd
Baglietto 5517	7.8 ab	25.2	41.1	58.63 a	3.1	35.0	67.3	71.1	3270 a
DK 67-86	7.6 bc	26.7	42.2	54.07 b	3.4	32.3	66.3	70.2	3076 abc
BH 8933 VT3	7.2 c	29.0	44.8	52.53 b	3.6	31.2	65.7	68.6	2780 de
DK 64-69	7.3 c	26.2	41.6	52.47 b	3.5	35.7	66.9	70.5	2647 ef
MCT-6751GT	7.9 ab	25.1	39.4	54.53 b	3.3	34.7	66.5	70.7	2912 cd
TMF2L872	8.1 a	26.2	40.4	52.23 b	3.3	31.1	66.4	70.7	3239 ab
Mission 9110 RR	7.4 c	28.1	43.3	52.53 b	3.5	31.8	68.6	69.1	2522 f
Croplan 851 VT3	7.3 c	27.3	41.6	51.33 b	3.4	34.4	65.0	70.1	2486 f
<i>Overall Mean</i>	7.6	26.5	41.3	53.48	3.4	33.44	65.89	70.41	2944.3
<i>Probability</i>	0.0003	0.34	0.22	0.044	0.17	0.48	0.58	0.414	0.000
<i>LSD (P=0.05)</i>	0.34	NS	NS	3.86	NS	NS	NS	NS	234.2
<i>CV (%)</i>	2.66	7.54	6.33	4.26	6.8	8.95	5.02	2.07	4.69

<sup>1</sup> Values are means of 3 replications. Within a column, values followed by a common letter do not differ at the 5% level of probability using Duncan's Multiple Range Test.

<sup>2</sup> Quality analysis by Cumberland Lab.

<sup>3</sup> Milk per ton calculated by the Cumberland Lab using Milk 2006