

**ZANGGER POPCORN HYBRIDS  
HYBRID RESEARCH PLOT 2007**

**LOCATION NORTH LOUP, (NORTH CENTRAL) NEBRASKA**

VARIETY	KCT # OF KERNALS IN TEN GRAMS	OIL EXPANSION	% MUSHROOM OR BALL IN OIL	TASTE SCORE 5=VERY TENDER, 1= TOUGH AS CARDBOARD	HULL SCORE 5=NO HULLS, 1=SHARP LARGE HULLS	KERNAL SHAPE 1= ROUND 3= POINTED/RICE TYPE F=FLAT	AIR, HOT EXPANSION	% MUSHROOM OR BALL IN HOT AIR	HARVEST MOISTURE	YIELD AT 14% MOISTURE	LODGING 5= NONE 1= 100%-75% LODGED	GREY LEAF SPOT N=NONE M=MARGINAL S=SUSCEPTIBLE	AGRONOMIC COMPOSITE SCORE, SUM OF VAR.	QUALITY, COMPOSITE SCORE SUM OF VAR.
<b>EX42820</b>	62.0	46.3	0	3.4	3.0	2.3	3250	0	<b>14.4</b>	<b>6833</b>	<b>5.0</b>	S	25.9	14.1
<b>EX54830</b>	44.0	35.3	<b>73B</b>	2.8	2.8	1.3	2375	<b>84B</b>	15.1	6738	2.3	M	23.5	11.8
<b>N15820</b>	63.0	<b>48.8</b>	0	3.7	<b>3.4</b>	2.5/F	3575	0	15.8	6632	2.3	<b>N</b>	22.1	<b>16.1</b>
<b>N8156</b>	64.0	47.8	0	<b>3.9</b>	3.1	2.4/F	<b>3625</b>	0	15.7	6414	2.8	M	21.5	15.9
<b>N11649</b>	63.0	44.5	0	<b>3.9</b>	3.1	2.4	3488	0	14.8	5847	1.3	S	21.5	14.3
<b>N11850</b>	58.0	47.8	0	3.1	2.8	1.3	3450	0	15.6	5609	4.3	M	<b>27.2</b>	13.6
<b>N1160</b>	61.0	<b>49.0</b>	0	3.4	3.0	2.7	3400	0	15.2	5603	4.7	S	26.1	14.4
<b>N11830</b>	53.0	38.0	52B	3.0	2.5	1.9	3050	64B	15.6	5539	3.5	S	25.4	12.6

The North Loup plot was planted May 12th, on silt loam soil. The plot was planted on 38" rows with a final population of around 27,000 plants per acre. The plot was furrow irrigated. Lodging and Agronomic observations were made on August, 20th. The plot was hand harvested October, 6th. Each hybrids data is the average of three repetitions. The plot was not sprayed with a fungicide. On August, 23rd the plot received 50% defoliation from hail, high winds, and heavy rain.

**HYBRID RESEARCH PLOT 2007  
LOCATION PAXTON, (WESTERN) NEBRASKA**

VARIETY	KCT # OF KERNALS IN TEN GRAMS	OIL EXPANSION	% OF MUSHROOM OR BALL IN OIL	TASTE SCORE 5=VERY TENDER, 1= TOUGH AS CARDBOARD	HULL SCORE 5=NO HULLS, 1=SHARP LARGE HULLS	KERNAL SHAPE 1= ROUND 3= POINTED/RICE TYPE F=FLAT	AIR, HOT EXPANSION	% MUSHROOM OR BALL HOT AIR	HARVEST MOISTURE	% BROKEN STALKS	YIELD AT 14% MOISTURE	LODGING 5=NONE 1= 100%-75% LODGED	COMPOSITE SCORE, SUM OF VAR.	QUALITY, COMPOSITE SCORE
<b>N1160</b>	56.0	47.0	0	3.2	2.9	2.6	3217	0	<b>13.1</b>	3	<b>6854</b>	5.0	26.9	14.1
<b>EX1H830</b>	46.0	42.5	15B	3.4	2.9	1.3	3050	0	14.7	2	6837	5.0	<b>28.6</b>	13.3
<b>EX54820</b>	46.0	38.5	50B	3.0	2.5	1.2	2700	35B	14.8	2	6510	5.0	26.8	12.7
<b>FIELD11649</b>	64.0	44.5	0	3.5	2.8	2.5	3550	0	15.1	3	6432	5.0	NA	13.2
<b>EX42820</b>	58.0	45.8	0	3.4	2.9	2.3	3200	0	13.6	2	6378	5.0	26.3	14.6
<b>EX54830</b>	<b>39.0</b>	33.2	<b>82B</b>	2.8	2.8	1.3	2117	<b>93B</b>	16.2	1	6375	5.0	28.3	12.2
<b>EX15820</b>	61.0	<b>47.3</b>	0	<b>3.9</b>	<b>3.5</b>	2.4/F	3567	0	15.0	1	6182	5.0	26.5	<b>16.5</b>
<b>N11649</b>	58.0	43.7	0	3.5	3.3	2.6	<b>3600</b>	0	14.1	2	6077	5.0	27.4	14.0
<b>N8156</b>	60.0	46.6	0	3.8	3.6	2.1/F	3517	0	14.3	5	6027	5.0	26.5	16.1
<b>11850</b>	50.0	46.8	0	3.0	2.9	1.2/F	3317	0	15.3	3	5860	5.0	27.8	13.4
<b>N11830</b>	49.0	36.3	54B	2.7	2.5	2.1	2833	60B	16.7	2	5851	5.0	28.1	12.3

The plot at Paxton was planted May 15th on silty clay loam soil. The plot was planted on 30" rows with a final population of around 28,000 plants per acre. The plot was pivot irrigated. Lodging and Agronomic observations were made on August, 8th. The plot was hand harvested October, 11th. Each hybrids data is the average of three repetitions. The plot was not sprayed with a fungicide.