

ZANGGER POPCORN HYBRIDS

HYBRID RESEARCH PLOT 2008

HAVANA, (SOUTH CENTRAL) ILLINOIS

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	AIR, HOT EXPANSION	% MUSHROOM OR BALL IN HOT AIR	KERNAL SHAPE 1= ROUND 3= POINTED/ RICE TYPE F=FLAT	HARVEST MOISTURE	% BROKEN STALKS	YIELD AT 14% MOISTURE	LODGING 5=NONE 1= 100%-75% LODGED	AGRONOMIC COMPOSITE SCORE SUM OF VAR.	QUALITY, COMPOSITE SCORE SUM OF VAR.
EX3	56	49.0	0	3.0	3.0	3150	0	2.3	10.7	4	NR	5.0	25.7	13.9
EX18	55	44.0	0	2.0	2.0	NR	NR	2.5/F	14.0	14	8783	5.0	26.2	11.6
EX12	54	45.3	0	3.2	2.8	2767	0	1.6/F	12.3	22	8385	5.0	23.9	14.7
EX14	51	43.5	0	3.0	2.0	2600	0	2.3/F	15.7	8	8139	5.0	26.2	13.2
N8156	60	47.3	0	3.3	2.8	3000	0	2	12.0	35	7876	5.0	22.8	14.8
EX17	66	48.0	0	4.0	4.0	2750	0	2.5/F	14.0	11	7731	5.0	23.9	16.3
N15820	61	47.1	0	3.6	3.1	NR	NR	2.3/F	12.0	25	7460	5.0	23.2	15.7
EX20	60	47.5	0	4.0	4.0	2900	0	2.5	14.8	10	7412	5.0	23.6	15.5
EX10	65	48.3	0	4.0	3.5	2650	0	2.3	14.3	15	6655	5.0	22.8	15.7
N11649	61	45.5	0	3.8	3.0	NR	NR	2.5	12.3	21	6642	5.0	22.9	14.3
EX15	62	49.0	0	2.5	2.0	2450	0	2.2/F	14.4	4	6639	5.0	26.4	13.2
N11830	52	35.3	75B	2.5	2.5	2400	70B	2.0	11.4	10	6525	5.0	23.9	11.0

The Havana plot was planted May 12, 2008 on Sandy silt loam soil. The plot was planted on 30 " rows with a final population of approx 28,000 plants per acre. The plot was pivot irrigated. Lodging and Agronomic observations were made on August 16th. The plot was hand harvested October 27th. Each hybrids data is the average of three repetitions. No fungicide was sprayed. 250 units of Nitrogen was applied. Herbicides used were lumax, Impact, and Accent.

HYBRID RESEARCH PLOT 2008

SHANNON, (NORTHWESTERN) ILLINOIS

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	AIR, HOT EXPANSION	% MUSHROOM OR BALL IN HOT AIR	KERNAL SHAPE 1= ROUND 3= POINTED/ RICE TYPE F=FLAT	HARVEST MOISTURE	% BROKEN STALKS	YIELD AT 14% MOISTURE	LODGING 5=NONE 1= 100%-75% LODGED	AGRONOMIC COMPOSITE SCORE SUM OF VAR.	QUALITY, COMPOSITE SCORE SUM OF VAR.
N15820	60	49.8	0	4.3	3.3	NR	NR	2.2	17.3	10	7775	3.5	23.0	16.9
EX1517	59	43.5	0	3.0	2.5	NR	NR	2.3	20.7	3	7767	2.5	21.8	13.9
N8156	59	49.1	0	3.6	3.2	NR	NR	2.3	16.8	13	7384	2.8	21.5	16.0
N42820	60	46.1	0	3.1	3.0	NR	NR	2.2	16.1	12	7259	3.8	23.6	14.8
N1160	60	47.8	0	3.2	2.7	NR	NR	2.6	16.9	7	6311	3.2	23.7	14.8
N11850	57	45.5	0	3.0	3.0	NR	NR	1.5	17.9	8	6142	2.5	23.6	14.0
N11649	64	45.2	0	3.5	3.0	NR	NR	2.5	16.7	10	5929	3.0	23.2	14.5
N11830	60	38.0	55B	2.3	2.0	2600	53B	2.1	19.7	2	5330	3.7	24.2	10.9

The Shannon plot was planted May 13th on clay loam soil. The plot was planted on 30" rows with a final population of approx 28,000 plants per acre. The plot was not irrigated. Lodging and Agronomic observations were made on August 16th. The plot was hand harvested October 28th. Each hybrids data is the average of three repetitions. The plot was sprayed with Headline Fungicide, along with Mustang Max and Lorsban insecticides at 100% tassel. Guardsman Max was used as a preplant herbicide and Impact along with Atrazene was used as a post herbicide. 140 units of Nitrogen was applied.