

OK Corral – Short Description March 2020

OK Corral (OK12206-127206-2) was produced from the three-way cross, **Y98-912/OK00611W// OK03716W**.

- 1) Expanding back on its pedigree, **Y98-912** was an advanced experimental line developed by the former WestBred soft wheat breeding program (located in Indiana) and was tested in the 2003 USDA-ARS Uniform Eastern Soft Red Winter Wheat Nursery. Y98-212 was subsequently released as a soft red winter wheat cultivar named W2-912.
- 2) **OK00611W** was an advanced experimental hard white line produced in the Oklahoma Agricultural Experiment Station (OAES) wheat breeding program that traced to a sister headrow selection of OK Bullet (PVP 200600173). Thus the pedigree of OK00611W is Jagger/KS96WGRC39.
- 3) **OK03716W** was an advanced hard white experimental line developed by the OAES with the pedigree, N44/OK94P455. N44 was developed at the Institute of Plant Breeding in Odessa, Ukraine and was introduced in a germplasm exchange with USDA-ARS in fall 1994. OK94P455 was developed as an experimental line in the former Pioneer hard winter wheat breeding program and was derived from Pioneer and Kansas State University experimental lines according to the expanded pedigree, W0405D/KS831957//W3416/KS831957.

Grain yield (bu/ac) in the 2019 Oklahoma Elite Trial (OET2) containing 38 experimentals and 2 check varieties.

Name	State	Goodwell dryland	Tipton optimal N	Tipton Interm. N	Tipton 25% N	Okarche dual- purpose	Lahoma	Chickasha	Okmulgee
OK Corral	57	82	46	41	37	68	45	71	69
Bentley	50	72	32	30	33	57	46	63	67
Gallagher	50	77	41	36	33	43	44	48	80
Mean (40 entries)	51	75	41	36	32	55	39	57	70
LSD (0.05)	4	12	5	6	7	7	7	5	9

Entries with shaded values are not statistically different from the highest yielding entry (among 40 entries) within a column.

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