



2022 Dryland Corn Hybrid Performance Trial at Akron

Brand	Hybrid	Insect and Herbicide Technology Traits ^a	Grain		Relative Maturity ^c	Moisture percent	Test Weight lb/bu	Population plants/ac	Ear Height in
			Yield ^b bu/ac	Yield % of test avg.					
92-100 Relative Maturity									
Dekalb	DKC47-55	VT2P, RR2	20	114%	97	10	55	11,400	21
Dyna-Gro Seed	D38VC80	VT2P, RR2	19	108%	98	10	53	14,800	16
Dekalb	DKC42-64	STX, LL, RR2	18	99%	92	12	54	11,200	21
Channel Seed	200-67	VT2P, RR2	17	96%	100	10	53	14,200	18
Dyna-Gro Seed	D40VC41	VT2P, RR2	15	83%	100	10	55	15,000	19
104-108 Relative Maturity									
Channel Seed	204-30	VT2P, RR2	20	110%	104	11	54	13,700	23
Dyna-Gro Seed	D48VC84	VT2P, RR2	19	109%	108	11	53	14,800	15
Dyna-Gro Seed	D44DC73	DG, VT2P, RR2	9	53%	104	11	-	13,700	21
Pioneer	P0622	AML, LL, RR2	6	34%	106	16	54	13,700	22
Dyna-Gro Seed	D47SS93	STX, LL, RR2	4	21%	107	11	-	14,400	16
*Average			18	100%	97	10	54	13,300	19

*Yield trial data could not be interpreted due to the high degree of field variability. The yield results should not be used for selecting superior hybrids.

^aTechnology trait designations: AML=AcreMax Leptra; DG=DroughtGard; LL=LibertyLink; RR2=Roundup Ready 2; STX=SmartStax; VT2P=VecTran Double Protection. For a list of specific pests controlled by each trait, please click [here](#).

^bYields corrected to 15.5% moisture.

^cRelative maturity is provided by the respective companies and is the approximate time from planting to harvest maturity. The method of calculation of the relative maturity ratings may vary among companies.

Site Information

Collaborator: Central Great Plains USDA-ARS Research Station
 Planting Date: May 16, 2022
 Harvest Date: October 19, 2022
 Fertilizer: Pre-emerge: N at 50 lb/ac
 Herbicides: Pre-emerge: Lumax at 1.75 pt/ac, Buccanneer plus at 1 qt/ac; Post-emerge (hooded sprayer): Starane at 0.4 pt/ac, 2,4-D amine at 1 pt/ac on Aug. 2; Sterling blue at 6 oz/ac and 2,4-D amine at 0.75 pt/ac on Aug. 17th.
 Previous Crop: Triticale
 Soil Type: Keith-Kuma complex
 Trial Coordinates: 40.161784, -103.143933
 Trial Comments: Planted into moisture. Good stands and emergence, triticale stubble in field. Plants were showing significant drought stress by early-August which lasted through the grain-fill period (hence low test weights). Good weed control throughout the season. Radar estimates showed the trial received about 8 inches of rain from planting to harvest, and 11.2 inches since January 1st, which is 76% of the ten-year average (year-to-date).

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