2025 Irrigated Black-Eyed Pea Variety Performance Trial at Akron

Variety or Accession	Origin	Yield[a]	2-Yr Average Yield	Test Weight	Moisture
		lb/ac	lb/ac	lb/bu	percent
CB5	USA, California	**2122**	1923	56.6	20.0
CB46	USA, California	**1978**	1911	56.8	20.1
Cp 4906	Portugal	**1940**	1913	**57.2**	16.9
524B	USA, California	1892	1897	56.4	18.8
Cp 5556	Portugal	1817	1938	**57.7**	19.1
TVu-14253	Botswana	1774	-	55.8	27.0
Gorda	Puerto Rico	1739	1800	56.0	19.2
UCR24	USA, California	1616	1809	54.9	19.4
Vg 72	Portugal	1408	1559	55.6	18.8
CB50	USA, California	1383	1593	54.3	19.2
UCR5385	USA, California	897	-	56.0	24.3
CB77	USA, California	439	1112	-	18.8
Average		**1584**	**1745**	**56.1**	**20.1**
[b]LSD (0.30)		191		0.5	
[b]LSD (0.05)		365		0.9	
Coefficient of Variation (CV)		12.4%		0.6%	

[a]Yields corrected to 14% moisture.

[b]Farmers selecting a variety based on yield should use the LSD (.30) to protect themselves from false negative conclusions (concluding varieties are the same when they are actually different). Companies or researchers may use the LSD (.05) to avoid false positive conclusions (concluding varieties are different when they are actually the same).

Site Information

Collaborator:	Central Great Plains USDA-ARS Station
Planting Date:	May 30, 2025
Harvest Date:	October 1, 2025
Fertilizer:	15 gpa 10-34-0 via strip till. 3 gal/ac 10-34-0 in furrow at planting.
Herbicides:	Jun 26th: Gatlin 9.0oz/Ac + Brigade 2EC 3.0 oz/Ac + Tapran 2.0 pts/100 gal. July 22nd: Beyond Xtra 4.0 oz/Ac + Basagran 5L 0.5 pts/Ac + Tapran 4.0 pts/100 + AMS 12#/100 gal. Sept. 26th Defoliation: Sharpen 2.0 oz/AC + Tapran 4.0 pts/100 + AMS 10#/100.
Irrigation:	0.83" applied on August 8th
Soil Type:	Rago Silt Loam
Trial Comments:	Seeds were planted 1" deep into excellent moisture. Plots received great and timely moisture throughout the season (15.02") and only required 1 irrigation (0.83").

The data included in this table may not be republished without permission. Contact Jason Webb (jason.webb@colostate.edu) or Sally Jones-Diamond (sally.jones@colostate.edu).