



## 2023 Irrigated Cowpea Variety Performance Trial at Akron

Variety or Accession	Origin	Yield <sup>a</sup> lb/ac	Test Weight lb/bu	Moisture percent	Flowering days after planting	Seeds Per Pound
524-B	USA, California	<b>1407</b>	49	14	59	1424
Gorda	Puerto Rico	<b>1406</b>	52	13	61	1608
TVu-14253	Botswana	<b>1390</b>	55	14	55	2217
1393-1-2-3(-)	USA, California	<b>1293</b>	49	14	59	1485
CB46	USA, California	<b>1274</b>	53	13	60	1861
CB5	USA, California	<b>1256</b>	50	13	61	1552
Vg72	Portugal	<b>1241</b>	53	13	59	2137
UCR 24	USA	1181	49	14	59	1593
Cp 4906	Portugal	1170	48	15	62	1514
Cp 5556	Portugal	1146	51	13	61	1692
UCR 5275	Australia	1098	54	13	60	1750
CB27	USA, California	1096	50	14	58	1793
UCR 5385	Italy	979	58	13	55	2545
	<b>Average</b>	<b>1226</b>	<b>52</b>	<b>13</b>	<b>59</b>	<b>1782</b>
	Replicates	3	3	3	3	3
	<sup>b</sup> LSD (0.05)	190				
	Coefficient of Variation (CV)	13.7				

<sup>a</sup>Yield corrected to 14% moisture.

<sup>b</sup>An LSD (alpha 0.05) has been used to minimize the risk of false positive results, or concluding there is a difference when one doesn't exist. Varieties in the top yield group are in bold.

### Site Information

Collaborator: Central Great Plains USDA-ARS Station  
 Planting Date: June 20, 2023  
 Harvest Date: October 4, 2023  
 Herbicides: Pre-Emerge: Roundup Pro at 24 oz/ac, Prowl H20 at 3 pt/ac, Spartan at 3 oz/ac, Sharpen at 1 oz/ac, and Vida at 2 oz/ac  
 Soil Type: Rago silt loam  
 Trial Comments: Trial planted into excellent moisture. Good emergence, but early season hail reduced stands. Trial irrigated three times late in the growing season for a total of xx inches applied. Radar estimates showed the trial received about 10.2 inches of rain from planting to harvest and 21.8 inches since January 1st, which is 140% of the ten-year average (year-to-date).

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