

Response of Warm-Season Vegetable Crops to Controlled-Release N in the Low Desert Southwestern U.S. (Year 2)

2013–2014 | Dr. Charlie Sanchez, Professor of Soil Science, University of Arizona

N (kg/ha)	N Management	Ear Length (cm)	Unfilled tip (cm)	Leaf N (%)	NH₄-N (mg/kg)	NO₃-N (mg/kg)	Marketable yield (MT/ha)
GSP	AN20	18.4	0.7	1.22	nd	nd	33.9
100	CRN 43	18.5	1.0	1.30	4.4	23.8	43.8
200	CRN 43	18.5	1.1	1.14	5.1	36.6	48.3
100	CRN 44	19.0	1.4	1.17	7.1	28.2	49.9
200	CRN 44	19.3	1.3	1.52	4.8	28.5	46.1
LSD (P=0.05)		0.7	0.6	0.59	NS	NS	9.8

Average ear length, unfilled tip, leaf N, inorganic soil N, and marketable yield of sweet corn to fertilizer N.