

1 No cover, tilled, hand weed	2 Cover tilled, hand weed	3 Cover tilled, Bark Mulch applied	4 Cover tilled, o. herbicides as weed control	5 Cover crimped, no weeding	6 Cover crimped, organic herbs as weed control	7 Cover crop crimped, bark mulch added
water 30% more water	26% more water	Least water needed	27% more water	Least water needed	least water needed	Least water needed
Harvest size-	See numbers	below in test plots.	Corn- number of ears.	Tomatoe s- pounds.	Chili- number of pods.	Squash- pounds. White patty pan.
Weed control 4 hours	3.5 hrs	.3 hours	1.5 hrs	.5 hrs	.75 hrs	.5 hours
Labor- weed and install, etc 4 hours	3.75 hrs	1 hr	1.3 hrs	1 hr	1.75 hrs	2 hrs
Soil Fertility- avail N 32 May 31 June 28 July 24 Aug 24 Sept	32 May 33 June 29 July 26 Aug 24 Sept	32 May 34 June 30 July 30 Aug 28 Sept	33 May 32 June 30 July 26 Aug 23 Sept	33 May 33 June 30 July 29 Aug 29 Sept	34 May 34 June 36 July 32 Aug 30 Sept	35 May 34 June 33 July 30 Aug 30 Sept

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Corn-1 Tom- 13# Chili- 12 Squ- 15	C- 1 T- 13 Ch- 12 Sq- 15	C- 1 T- 13 Ch- 14 Sq- 20	C- 2 T- 14 Ch- 13 Sq-16	C- 1 T- 15 Ch- 12 Sq-10	C- 1 t- 13 Ch- 12 Sq- 10	C-2 t- 16 lb Ch-11 Sq- 12lb
Corn-1 Tom- 14# Chili- 12 Squ- 15	C- 1 T- 14 Ch- 12 Sq- 14	C- 1 T- 13 Ch- 12 Sq- 20	C- 2 T- 13 Ch- 12 Sq-14	C- 1 T- 16 Ch- 12 Sq-10	C- 1 t- 16 Ch- 13 Sq- 12	C-1 t- 14 lb Ch-0 Sq- 10 lb
Corn-0 Tom- 13# Chili- 11 Squ- 15	c- 1 T- 13 Ch- 13 Sq- 15	C- 1 T- 14 Ch- 11 Sq- 20	C- 2 T- 14 Ch- 14 Sq-17	C- 1 T- 15 Ch- 13 Sq-11	C- 1 t- 16 Ch- 12 Sq- 10	C-1 t- 16 lb Ch-12 Sq- 8 lb
Corn-1 Tom- 12# Chili- 12 Squ- 15	C- 1 T- 15 Ch- 10 Sq- 16	C- 1 T- 12 Ch- 14 Sq- 22	C- 2 T- 13 Ch- 12 Sq-19	C- 1 T- 14 Ch- 13 Sq-15	C- 2 t- 13 Ch- 10 Sq- 10	C-1 t- 13 lb Ch-12 Sq- 10 lb
Corn-1 Tom- 15# Chili- 13 Squ- 15	C- 1 T- 13 Ch- 12 Sq- 16	C- 1 T- 13 Ch- 0 Sq- 19	C- 2 T- 14 Ch- 13 Sq-16	C- 1 T- 17 Ch- 12 Sq-11	C- 1 t- 13 Ch- 13 Sq- 11	C-1 t- 16 lb Ch-11 Sq- 10 lb
Corn-1 Tom- 14# Chili- 12 Squ- 12	C- 1 T- 0 Ch- 11 Sq- 15	C- 1 T- 14 Ch- 12 Sq- 20	C- 2 T- 15 Ch- 11 Sq-20	C- 1 T- 16 Ch- 12 Sq-9	C- 1 t- 15 Ch- 0 Sq- 11	C-1 t- 13 lb Ch-12 Sq- 13lb
Corn-1 Tom- 14# Chili- 12 Squ- 18	C- 1 T- 13 Ch- 12 Sq- 15	C- 1 T- 13 Ch- 14 Sq- 18	C- 2 T- 15 Ch- 12 Sq-16	C- 1 T- 14 Ch- 14 Sq-10	C- 1 t- 15 Ch- 10 Sq- 10	C-2 t- 14 lb Ch-12 Sq- 11lb
Corn-1 Tom- 15# Chili- 11 Squ- 17	C- 1 T- 13 Ch- 12 Sq- 14	C- 1 T- 11 Ch- 14 Sq- 18	C- 2 T- 14 Ch- 12 Sq-17	C- 1 T- 16 Ch- 12 Sq-11	C- 1 t- 16 Ch- 13 Sq- 10	C-1 t- 14 lb Ch-10 Sq- 12lb

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Corn-1 Tom- 14# Chili- 13 Squ- 16	C- 1 T- 13 Ch- 13 Sq- 15	C- 1 T- 13 Ch- 14 Sq- 18	C- 1 T- 13 Ch- 13 Sq-17	C- 2 T- 16 Ch- 13 Sq-11	C- 2 t- 15 Ch- 13 Sq- 12	C-2 t- 12 lb Ch-10 Sq- 10 lb
Corn-1 Tom- 10# Chili- 12 Squ- 16	C- 1 T- 16 Ch- 12 Sq- 0	C- 1 T- 15 Ch- 11 Sq- 20	C- 1 T- 12 Ch- 10 Sq-17	C- 1 T- 17 Ch- 0 Sq- 9	C- 1 t- 13 Ch- 0 Sq- 10	C-1 t- 16 lb Ch-12 Sq- 12lb
Corn-0 Tom- 12# Chili- 11 Squ- 14	C- 1 T- 15 Ch- 12 Sq- 18	C- 2 T- 14 Ch- 14 Sq- 22	C- 1 T- 14 Ch- 13 Sq-15	C- 1 T- 14 Ch- 12 Sq-10	C- 2 t- 15 Ch- 12 Sq- 10	C-1 t- 16 lb Ch-12 Sq- 11lb
Corn-2 Tom- 15# Chili- 12 Squ- 15	C- 1 T- 13 Ch- 0 Sq- 15	C- 1 T- 16 Ch- 13 Sq- 20	C- 1 T- 14 Ch- 11 Sq-10	C- 1 T- 15 Ch- 12 Sq-10	C- 1 t- 13 Ch- 10 Sq- 11	C-2 t- 14 lb Ch-11 Sq- 0
Corn-1 Tom- 14# Chili- 12 Squ- 14	C- 1 T- 14 Ch- 10 Sq- 16	C- 1 T- 13 Ch- 14 Sq- 18	C- 1 T- 15 Ch- 0 Sq-16	C- 2 T- 16 Ch- 10 Sq-10	C- 1 t- 0 Ch- 13 Sq- 11	C-2 t- 14 lb Ch-12 Sq- 10lb
Corn-1 Tom- 14# Chili- 12 Squ- 17	C- 1 T- 13 Ch- 11 Sq- 0	C- 1 T- 15 Ch- 12 Sq- 20	C- 1 T- 14 Ch- 13 Sq-16	C- 1 T- 15 Ch- 13 Sq-11	C- 1 t- 15 Ch- 10 Sq- 9	C-1 t- 15 lb Ch-11 Sq- 13lb

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AVERAG ES C-1 T- 13.4 lb Ch-11.6 Sq-15 lb	C-1 T-13.5 lb Ch- 11 Sq-15 lb	C-1 T-13.6 Ch-12 Sq-19.5	C-1 T- 13.8 lb Ch-12.2 Sq-16 lb	C-1 T- 15.4 lb Ch-11.3 Sq- 10 lb	C-1 T-14.2 lb Ch-11.7 Sq- 10.6	C-1 T-14.5 lb Ch-11.4 Sq-10.8

Corn- An old NM heritage variety that typically only produces one very large ear per plant.

Tomato- Mortgage Lifter Heirloom harvested over August 10th with final picking for non crimped areas on Sept 13th and the crimped areas Sept 20th due to slower ripening on crimped and mulched areas.

Chili- Green NM 107 ?? Harvested once on August 16th. Number of mature pods...avg 6-10" in length

Squash- White patty pan harvested as summer immature baby squash until July 15th, then allowed to produce larger short storage patty pans about 1/2- 2 lbs in size.

