

| 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- 12# Chili- 12 Squ- 15 | C- 1 T- 12 Ch- 11 Sq- 14 | C- 1 T- 15 Ch- 12 Sq- 18 | C- 2 T- 14 Ch- 13 Sq-16 | C- 1 T- 15 Ch- 11 Sq-9 | C- 1 t- 14 Ch- 12 Sq- 13 | C-2 t- 15 lb Ch-12 Sq- 12lb |
| 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 |

