

Chapalote "Pinole Maiz" - ZP 90

Native Seed SEARCH Gardener Network - Darrol Shillingburg - Grower - Las Cruces, New Mexico - 2005

Catalog No/Crop name: ZP 90 Chapalote "Pinole Maiz"

Date planted: June 22, 2005

Date transplanted into garden: NA

Date of 1st germination: June 26, 2005

No. seeds planted 48

No. seeds germinated (date): 44 (7/08/05)

Did the crop receive full sun, partial sun, or full shade? Full Sun

Date of first tasseling: August 22, 2005 Date of first silking: August 25, 2005

Length of time that tassels and silks were produced: not recorded

What colors were the tassels? Cream to White silks? Whitish drying to Brown

Were stalks/leaves/veins other colors besides green? If so, estimate the number or percentage of plants and indicate which plant part was colored: Stalk, leaves and veins are mostly green

Were aerial roots produced? Yes If so, on how many nodes? two

Did you have any problem with lodging (falling over of the stalks)? No

How tall was the plant at maturity? 9-11 feet

Date of harvest: began 10/5/05

How many ears, on average, were produced per plant? 1-2

Did you hand pollinate? How? No

How well-filled were the ears (were there kernels on the entire ear)? Most were very well filled out - later forming ears were less well pollinated

Can the corn be eaten as a "sweet" corn when it's immature? How does it taste? Not a sweet corn

Were the plants subject to any unusual or particularly harsh weather (hail, hard rain, early frost, etc.)? When? How did they fare? The plants took two hard rains when mature (appx. 1"/hr) and one hard wind gust that blew them out of vertical alignment, but when stood upright again they remained that way for a couple of months.

Were there any problems with disease, fungus, insects, or other pests? How did plants respond? Did you use anything to treat the problem? How well did it work? No noticeable diseases or pests

Please provide an overall description of how you grew this crop, including a brief description of how you watered (hose, drip, rain only, etc.) and about how often (i.e., did it experience some drought, weekly soakings), whether it needed trellising, was it intercropped and with what, did it need extra shade, did the grasshoppers seem to like it particularly, etc.

Planted in four clusters (12 seeds to a cluster) on a 4' x 16' bed, following a crop of snap peas/onions companion planted with Dutch White Clover. The bed was not tilled and no compost was added at planting time, although some of the mature clover was uprooted and left as mulch. I also planted 16 seeds of Minnie's Apache Hubbard along one edge of the same bed - on the west side of the corn. The bed is oriented N/S in full sun. Three of the plants that germinated died - one was an albino with no chlorophyll, one had partial chlorophyll and one just remained stunted and died. Germination by cluster 12/12, 10/12, 11/12, 11/12 - 41 plants surviving 7/08/05. Watered with buried soaker lines and drip with additional surface emitters. The timing and amount of water was determined by observed water stress to the corn and squash growing in the bed. The only heavy watering was from seasonal rains and the plants suffered no serious water stress. August 17, 2005 - a few plant showing potassium deficiency a couple of days prior to tasselling. I added a gallon of Vermiculture slurry to the bed at that time, but nothing else during the entire crop growth period. I would not recommend this variety for a small-scale kitchen garden. It is a beautiful and very robust corn, but the nutrient return for space invested makes it less than an optimal food source.

Darrol Shillingburg
Las Cruces, NM 88007
2005 growing season



Sprouts - 7/03/05



Young Plants - 7/08/05



Corn/Squash Bed - 7/24/05



Corn/Squash Bed - 8/24/05

Chapalote "Pinole Maiz" - ZP 90

Native Seed SEARCH Gardener Network - Darrol Shillingburg - Grower - Las Cruces, New Mexico - 2005

Additional Photographs - ZP 90 Pinole Maiz



Mature Ears



Twin Ears



Single Ear



Areal Roots



Tassels - 8/24/05



Silk - 8/24/05