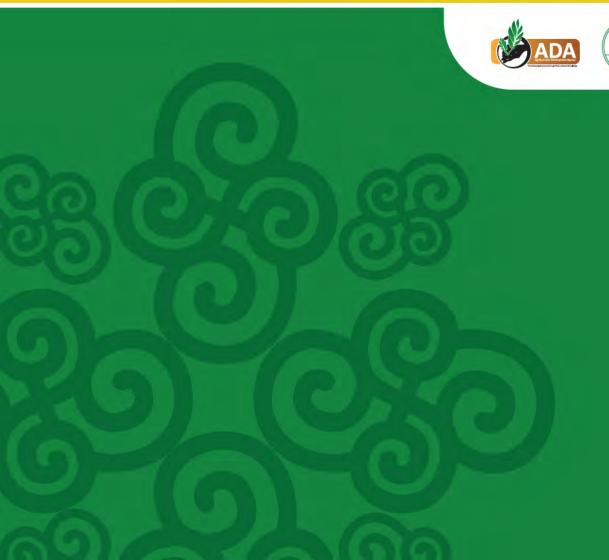


MAIZE PRODUCTION

TOGETHER WE HAVE MADE KZN A BETTER PROVINCE TO LIVE IN





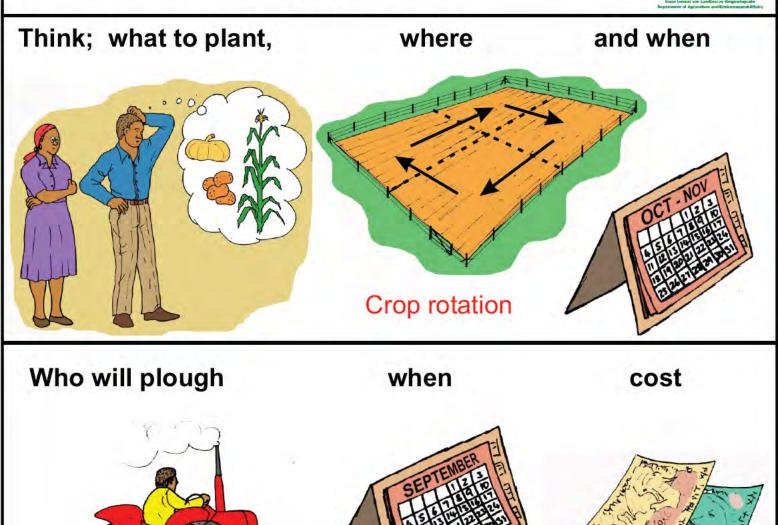
Private bag X9059 Pietermaritzburg 3200

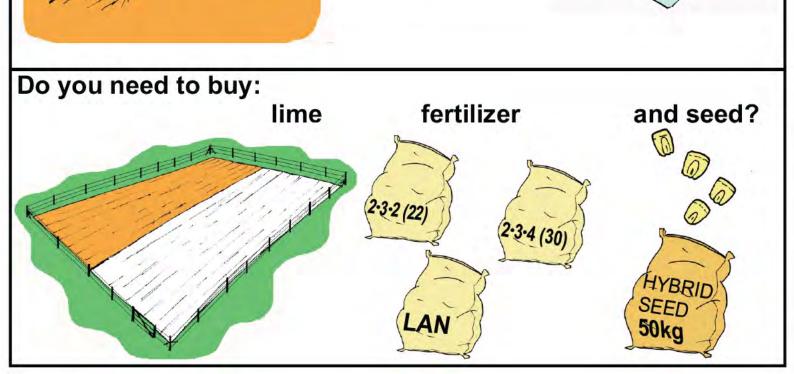
Tel: 033 343 8240 Fax: 033 343 8255 www.kzndard.gov.za



PLANNING JUNE



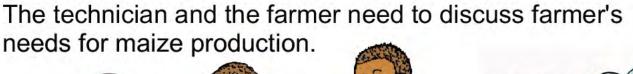




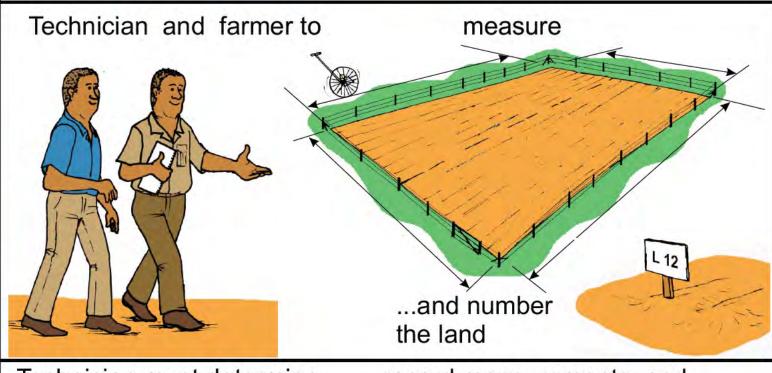
LAND PREPARATION

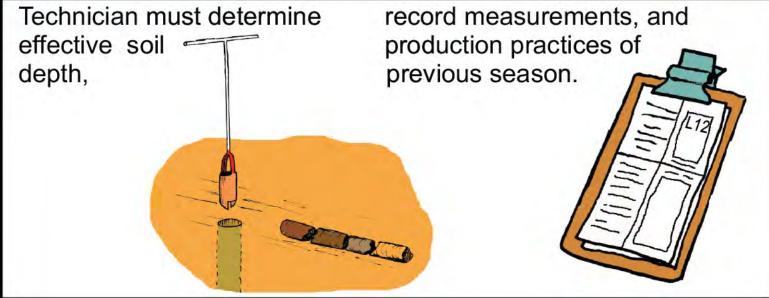
JULY - AUGUST





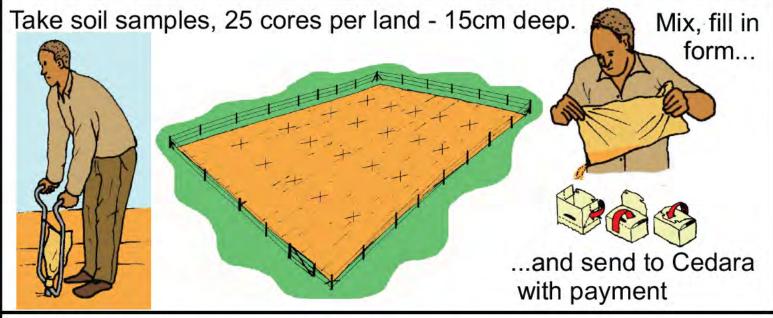






PREPARATION CONTINUED

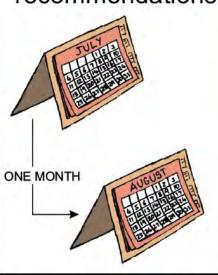




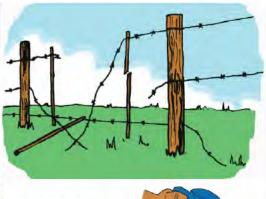
Wait for soil analysis results and fertilizer recommendations.

Meanwhile, apply kraal manure,

fix fences, and...







After receiving results from

Cedara, technician to:

- talk on maize production
- give advice on:

 lime
 fertilizer
 and seed needed

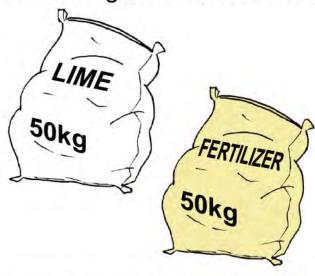
 (type and quantities)



FERTILIZATION SEPTEMBER



According to recommendations, buy required supplies...











If recommended, apply lime more than a month before planting

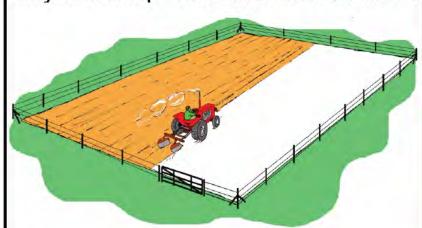


If farmer does not want to apply fertilizer in planting furrows or with

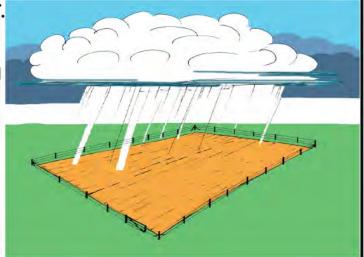


a planter, broadcast fertilizer.

Disc or deep plough land the next day to incorporate lime and fertilizer.



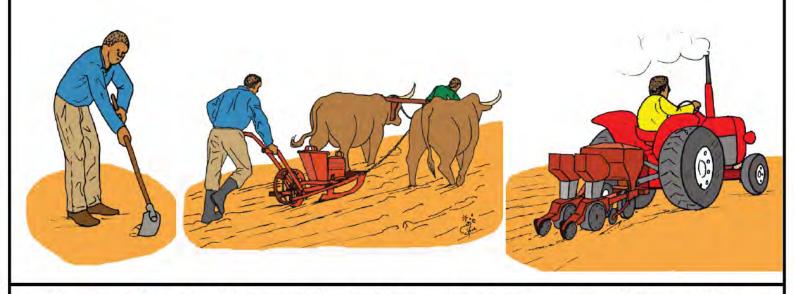
Wait for rain



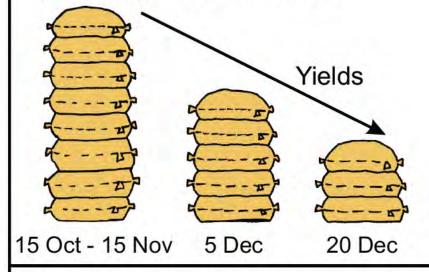
PLANTING OCT - NOV



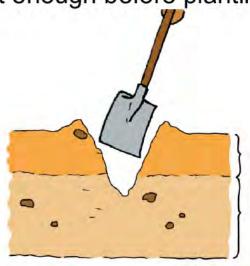
Maize can be planted by hand, ox or tractor drawn planters.



Plant early to achieve high yields: 15 October - 15 November



Inspect to see if the soil is wet enough before planting.



When using purchased fertilizer, use hybrid seed.



Buying in bulk and sharing is cheaper. Suitable varieties or cultivars to be recommended by Technician.

Always state the seed size you require. Amount of seed needed to plant 1ha:

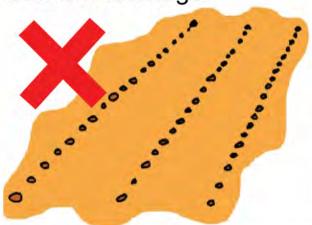
Size 4F: 12 kg seed/ha.Size 5F: 14 kg seed/ha.

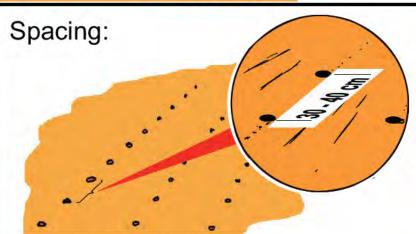
PLANTING CONTINUED



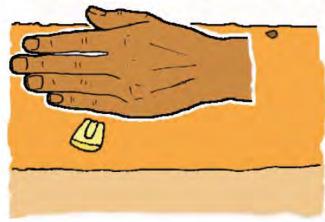
Never mix kraal manure, fertilizer and seed when planting by planter.

Do not plant more seeds in the row to compensate for cutworm damage.



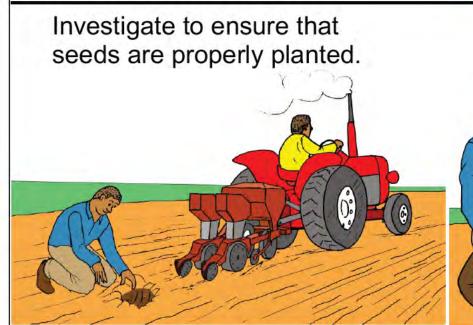


Depth of planting: (no more than four fingers)



/90 - 100cm /90 - 100cm /

Choose planter plates that match the seed size.



Planting is the most important activity.
Do it properly.

INSECT AND DISEASE CONTROL



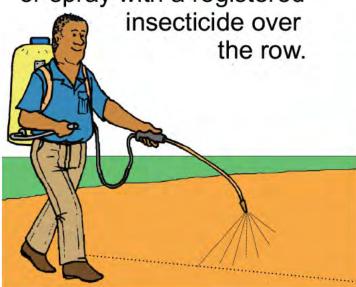


Their numbers are reduced by keeping lands weed-free before planting.

If necessary, apply cutworm bait directly after planting,...

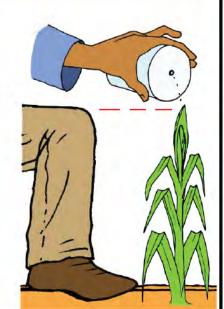


or spray with a registered



Stalk borers:

Apply stalk borer granules into maize funnels when plants are knee height.



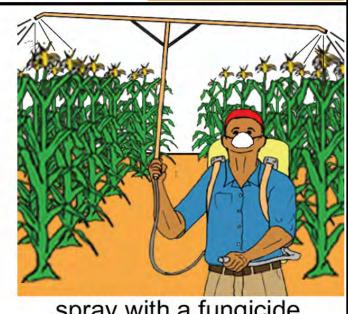
Grey leaf spot:



Plant seed of resistant hybrids,



<u>OR</u>



spray with a fungicide.

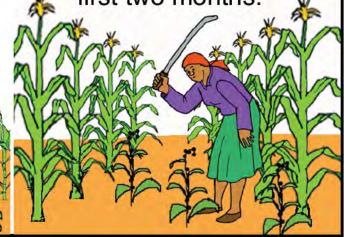
WEED CONTROL AND TOP DRESSING



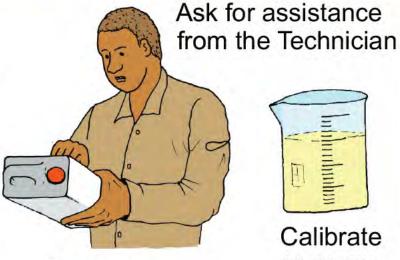
When weeds are still small, weed by hand hoeing or with an ox cultivator.

Weed at least twice to keep lands weed free for the first two months.

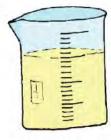




Or apply a herbicide with a knapsack or tractor sprayer on the same day as planting.

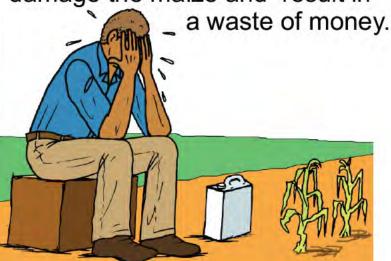


Read instructions

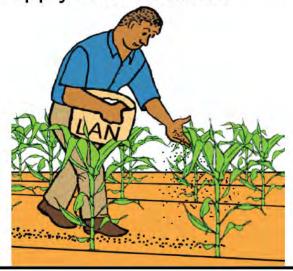


Calibrate sprayer properly

Herbicides applied incorrectly will damage the maize and result in



When maize is knee height, apply LAN fertilizer.

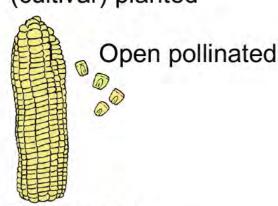


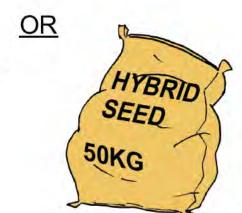
HARVESTING AND STORING



The month of harvesting will be determined by:

A) The type of maize (cultivar) planted



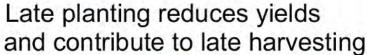


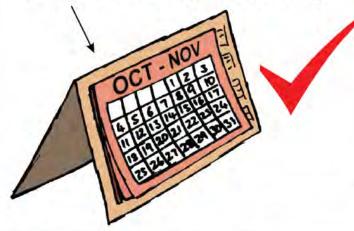
Sold as:

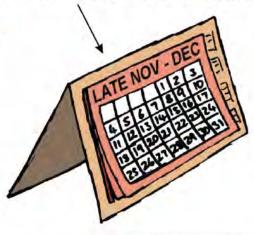
Short, medium or long season cultivars.

B) Planting date:

Early planting ensure higher yields and early harvesting.

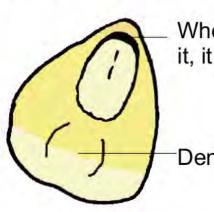








An indicator of when to harvest is to look at the base of the maize pips.

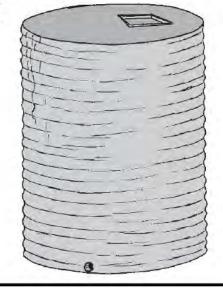


When you scratch it, it should be black

Dented and hard

Store maize grains in a

cool dry place.



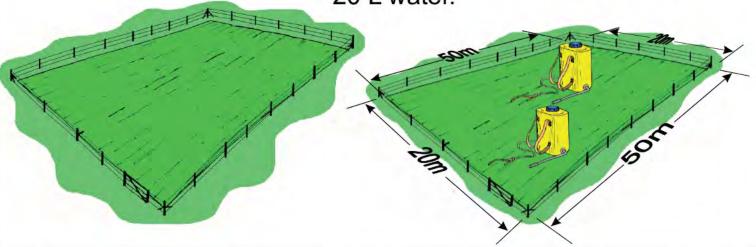
THE NO TILL OPTION





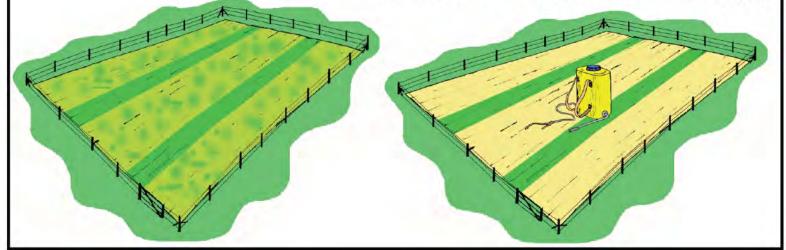
If the field to be used does not need lime,

Spray green growing weeds in late October using a cup of Roundup in 20 L water.



Sprayed weeds will die within two weeks.

If some weeds are still green, spray those areas again. Respray weeds that didn't die with the first spraying.



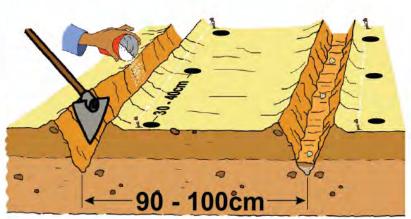
NO-TILL (CONTINUED)



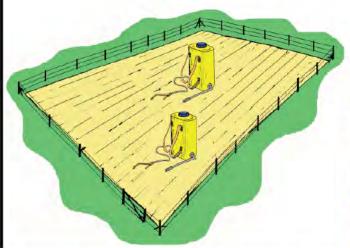
Wait for rain



Plant: 15 Oct - 15 Nov



Apply Lasso herbicide (one cup per 20 L container).



To control cutworms, apply 20ml of cypermethrin to 20 L of water mixed with Lasso, or apply cutworm bait directly after planting.



Hand - hoe all emerging weeds or those that may have survived. Keep land

