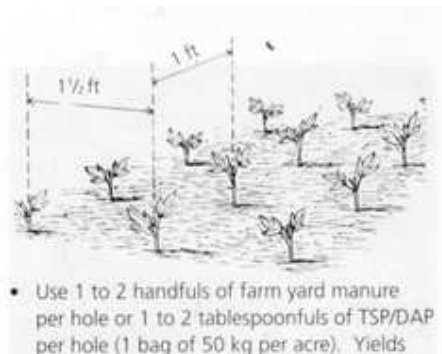


## Feed Lupin seed With Maize for Cheaper dairy Feeds

- Your cows will produce more milk if you feed them dairy meal, which has protein.
- Lupin seeds are full of protein, are easy to grow and can be fed to your cow
- Use lupin seeds with your surplus maize as an alternative to dairy meal to save money and get more milk.
- Lupin leaves and roots can increase soil fertility after seed harvest.

### HOW TO PLANT

- Prepare land as for maize.
- Plant lupin seed at a spacing of 1 1/2 feet between rows and 1 foot between plants.
- Use 1 to 2 handfuls of farm yard manure per hole or 1 to 2 tablespoonfuls of TSP/DAP per hole (1 bag of 50 kg per acre). Yields will be lower if fertilizer is not used.
- Plant two seeds per hole.
- Lupin can also be planted between maize rows at a spacing of 1 foot from hole to hole.



### WEEDING

Weed at least twice, the first time about 6 weeks after planting then 6 weeks later.

### HARVESTING

- Lupin takes 4 to 6 months from sowing to harvesting.
- For high yields start to harvest when the pods change colour from green to yellow, and the lower leaves start falling off.
- After harvesting, the lupin pods should be dried and threshed like beans.





- 1/2 acre produces 4 to 6 bags of lupin seed, which will be enough to feed 1 dairy cow for 1 year.
- If lupin is intercropped with maize, 1/2 acre can produce about 2 to 3 bags of lupin seed, which with 6 to 9 bags of maize can feed a dairy cow for 3 to 4 months.



## HOW TO FEED LUPIN AND MAIZE

- When feeding lupin seed and maize grain, mix 1 gorogoro of lupin seed and 3 gorogoros of maize grain.
- Grind the mixture and feed 2 kg (about 2 gorogoros) per milking for a medium dairy COW.
- Feeding more lupin seed in maize is not recommended because cows find the feed bitter.
- Cows fed lupin-maize mixture for the first time need to be introduced to it gradually. You can add a little mineral salt, molasses or other feed to the mixture to help the cow start eating it..

## BENEFITS

- \* Lupin with maize is cheaper than dairy meal.
- \* Lupin and maize can be grown on your farm.
- \* Lupin enriches the soil

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