

## Weeding

1. Control by tilling >> tilling the soil and cut the grass after the maize has sprouted before reaching Critical period by using various machine tools such as hoe, plow, animal and tractor etc.



2. Control by chemical >> Spraying herbicides (Pre-emergent) for weed control after planting or 7 days after planting

## Pest control

After 3 weeks of corn germination, farmers should observe the egg clusters of cutworm and the white damage on the surface of leaves that has been damaged until the bite is broken. It should be prevented by spraying a pesticide into the top cone.



## Harvesting

Farmers should reap the produce When maize is old and completely dry (approximately 120 days after planting, depending on the variety), the entire field of maize will dry and turn completely white. And maize kernels should have a moisture content of 20-25 percent. However, maize should not be harvested after rain because maize kernels have high humidity. The pods and maize should be allowed to dry before harvesting.



### **Reference**

Hemant M. (2019). Management of crop production website.  
[https://thefactfactor.com/facts/pure\\_science/biology/preparation-of-soil/2109/](https://thefactfactor.com/facts/pure_science/biology/preparation-of-soil/2109/) (Accessed 10 Sep 2020)  
Pioneer. (2014). Planting and Management of maize website.  
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# Farm management & Productivity of Maize

# How to Productivity of Maize

**Choosing the right time to plant is often the most important part of planting.** The best strategy to use to increase yields is: if your soil is ready, start planting and should be have good field management and maintenance right method and on time

## 6 Steps for Maize production

- **Preparation of Soil**
- **Planting**
- **Fertilizing**
- **Weeding**
- **Pest control**
- **Harvesting**

## Preparation of Soil

**The preparation of the soil is the first step before growing a crop.** The process of loosening and turning of the soil is called tilling or plough. The tillage should be plowed at least 2 times

- Plough uniformly to a depth of 20 – 30 cm using manual hand tillage, ox-drawn ploughs or tractors. Plough dry the soil 10-15 days helps to control weeds, kill insects and other pests, and also makes it easier to apply manure and plant.



-Tilling should be plowed with a plow 7 or rotary by plowing across the original trace of the plow to break a large piece of soil. Causing the soil to become more and more loose So that the seeds can germinate evenly



## Planting

1. Use a planter >> the spacing is 75 cm. Between the rows and between 20-25 cm.
2. Use people >> the spacing is 70 cm and use a hoeing dig and dropped maize seeds 2-3 seeds.

## Fertilizing

Fertilizer can be divided 2 times to provide enough nutrients for the production of full yield as follows.

1. Taking fertilizer with the planter machine Formula 16-20-0 or 15-15-15 in the amount of 20 kg per hectare
2. After planting 30-45 days, it should be fertilized again. using fertilizer formula 46-0-0 in the amount of 20-25 kg per hectare

