



## (CHEMISTRY)

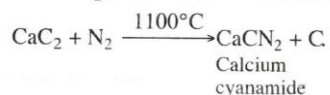
### Fertilizer

#### 1. Urea(NH<sub>2</sub>CONH<sub>2</sub>),

- Urea is the best nitrogenous fertilizer having 47% nitrogen by weight.
- Ammonium sulphate should not be used very frequently as it makes soil acidic. It contains 21% nitrogen by weight.

#### 2. Calcium cyanamide CaCN<sub>2</sub>

- It is prepared by passing a stream of nitrogen gas over hot CaC<sub>2</sub> at 1100°C, when nitrolim is obtained



- Calcium cyanamide is a slow acting manure having 19% nitrogen by weight.

#### 3. Mixed Fertilizers or NPK Fertilizers

- NPK also called as Kisan Khad or Kisan Urea, contains nitrogen, phosphorus and potassium.
- e.g., Nitrophosphate, Ammonium phosphate, Urea ammonium phosphate.

#### 4. Biofertilizers

- Rhizobium and blue green algae are two important biofertilizers.
- Mycorrhiza is a symbiotic association of certility fungi with roots of higher plants. It increases water and nutrient intake by plants and increases growth and yield of plants.