



# Importance of Fertilizer



## Healthy Growth and Increased Harvest

### What are the roles of plant nutrient?

#### Nitrogen (N)

- Provides dark green color to plant.
- Encourages the plant growth.
- Increases tillering.

#### Phosphorus (P)

- Stimulates the root development.
- Stimulates blooming and maturity.
- Increase the grain quality.

#### Potassium (K)

- Contributes to plant resistance to harsh climate.
- Increases tillering.
- Increases side and weight of grain.

### What are nutrient deficiency symptoms in rice?

#### Nitrogen Deficiency



Leaves are narrow, short, erect, and yellowish green.

#### Phosphorus Deficiency



Stems are thin and spindly. Leaf discolored.

#### Potassium Deficiency



Tip leaves become reddish. Plants are stunted with smaller leaves, short and thin stems.

### What are nutrient deficiency symptoms in other plants?

#### Nitrogen Deficiency



(Tomato)

(Corn leaf)

Older leaves are yellow from the tip of the blade.

#### Phosphorus Deficiency



(Vegetable)

(Corn)

Leaves become dark-green or reddish-purple from the edge of blade.

#### Potassium Deficiency



(Soybean)

(Corn)

Leaves become yellow and brown from the edge of blade.

### Which fertilizer to use?

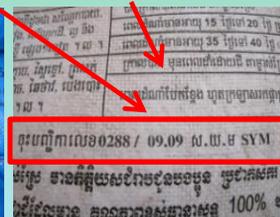
Please use registered fertilizers with Khmer label and registration number or the product with tag with Khmer information and registration number, the Ministry of Agriculture, Forestry and Fisheries already checked their good qualities before the registration.

#### Examples of registration number



Khmer label & registration number

#### Example of Khmer label



#### Examples of registration tag



No Khmer label but registration tag with Khmer information

Consult with your local agricultural extension officer for more detail information.