



Foxtail millet (*Setaria italica L.*)

1.Improved Varieties: The list of latest and popular varieties recommended for different states are given below.

State	Varieties
Andhra Pradesh and Telangana	SiA 3088, SiA 3156, SiA 3085, Lepakshi, SiA 326, Narasimharaya, Krishnadevaraya, PS 4
Karnataka	DHFt 109-3, HMT 100-1, SiA 3156, SiA 3088, SiA 3085, SiA 326, PS 4, Narasimharaya,
Tamilnadu	CO (Ten) 7, TNAU 43, TNAU-186, TNAU 196, CO 1, CO 2, CO 4, CO 5, K2, K3, SiA 3088, SiA 3156, SiA 3085, PS 4
Rajasthan	Prathap Kangani-1 (SR 51), SR 11, SR 16 (Meera), SiA 3085, SiA 3156, PS 4
Uttar Pradesh	PRK 1, PS 4, SiA 3088, 3085, Sreelaxmi, Narasimharaya, SiA 326, S-114
Uttarakhand	PS 4, PRK 1, Sreelaxmi, SiA 326, SiA 3156, SiA 3085
Bihar	RAU-2, SiA 3088, SiA 3156, SiA 3085, PS 4



2.Maturity Period: Foxtail millet (*Setaria italica*) typically takes around 60-90 days to mature from the time of sowing, depending on factors like climate, soil conditions, and cultivation practices.

3.Number of Tillers: Foxtail millet plants can have multiple tillers per plant, with the exact number depending on the variety and growing conditions.

4. Seed Rate per Hectare: The recommended seed rate for foxtail millet cultivation is approximately 5-6 kg per hectare. However, this can vary based on factors like soil fertility, planting method, and local agricultural practices.

5. Yield per Hectare: The yield of foxtail millet can vary widely depending on factors like soil quality, climate, and cultivation practices. On average, under good growing conditions, it can yield around 800-1000 kg per hectare.

6. Size and Colour of Grains: Foxtail millet grains are small and cylindrical, similar to a fox's tail. They can be yellow, brown, or black, depending on the variety.

7. Length of Plant: Foxtail millet plants typically range in height from 60 to 130 cm (24 to 51 inches), although it can vary depending on the specific variety and growing conditions.

8. Nutritional Value: Foxtail millet is a nutritious cereal grain. It is a good source of essential nutrients like carbohydrates, dietary fiber, protein, and various vitamins and minerals. It is gluten-free and rich in antioxidants.

9. Germination Percentage: The germination percentage of foxtail millet seeds can vary based on factors like seed quality, storage conditions, and age of the seeds. Under optimal conditions, the germination rate can be quite high, often above 80%.

These values are approximate and can vary based on specific varieties, growing conditions, and agricultural practices. For precise recommendations and information, it's best to consult with local agricultural experts or extension services.

10. Insect-pests and their management

Shoot fly and its control

Apply Carbofuran 3G granules @ 20 kg/ha in furrows or as broadcast before sowing in the soil at the time of field preparation.

Diseases and their management

Downy mildew

Diseased plants are dwarfed with excessive development of tillers. Length-wise yellow-green strips are seen on the leaves.

Control

Removal of crop residues from the field. Fungicidal seed treatment or spray of Ridomil-MZ @ 3 g/lit water control the disease.

Rust

Small, numerous blisters like pustules observed first on the lower leaves and later on the upper leaves.

Control: Foliar spray of Mancozeb @ 0.2% effectively controls the rust.