



SOYABEAN

- Varieties** : JS 335, PK 1029, MACS 58, MACS 124, MACS 450, PK 472 LSb-1, JS 80-21, LSB 18 (Bheem) and ADB 22 (Basara).
- Soils/Areas** : Medium clay soils, light soils under irrigation.
- Land preparation** : Plough the field twice followed by harrowing to achieve fine tilth.
- Seed rate** : 60-65 kg/ha
- Seed treatment** : Seed treatment with Captan or Thiram 3 g and Carbosulfa 30g/kg seed. Treat the seed with *Rhizobium japonicum* bacteria before sowing.
- Spacing** : 45 x 5.0 cm or 30 X 7.5 cm
- Sowing** : 2nd F.N. of July to 1st F.N. of August for coastal region
- Manures and fertilizers** : 30 N + 60 P₂O₅ + 40 K₂O kg/ha, if inoculated with *Rhizobium* 60 to 90 N + 60 P₂O₅ + 40 K₂O kg/ha, if not inoculated. Use of FYM and sulphur containing fertilizers should be encouraged. Treat the seed with *Rhizobium japonicum*.
- Intercultivation and weed management practices** : Keep the crop free from weeds upto 45 DAS. One to two hoeings. Use pendimethalin @ 3.3 l/ha as pre-emergence to check weed growth
- Irrigation** : Under I.D. conditions irrigate at critical stages i.e., at pre flowering and pod filling stages.
- Pest Management** :
- Stemfly** : Spray Monocrotophos 1.6 ml/lt or Acephate 1 g/lt or quinalphos 2.0 ml/lt
- Leaf folder/Webber and *Spodoptera exigua*** : Quinalphos 2 ml/lt or Acephate 1 g/lt
- Gram caterpillar** : Quinalphos 2 ml/lt or Chlorpyriphos 2.5 ml/lt.
- Pod borers including *Spodoptera*** : Collection and destruction of egg masses and skeletonize leaves. Need based spray with quinalphos 2 ml/lt or Chlorpyriphos 2.5 ml/lt.
- Whitefly** : Triazophos 1.5 ml/lt or Neem oil 5 ml/lt .
- Jassids** : Monocrotophos 1.6 ml/lt
- Thrips** : Acephate 1 g/lt.
- Disease Management:**
- Cercospora leaf spot** : Spray carbendazim 0.1%.
- Alternaria blight** : Seed treatment with captan or thiram 3 g/kg of seed.
- Rust** : Mancozeb 2.5 g/lt
- Bacterial leaf spot** : Chlormycitin 100 ppm
- YMV** : Spray Acephate 1.0 g/lt or triazophos 1.5 ml/lt or Dimethoate 2.0 ml/lt or monocrotophos 1.6 ml/lt to check whitefly.



Harvesting and Post Harvesting Technology

: The crop is harvested when majority of leaves have become golden yellow and ready to fall and the lower pods are yellowish and dry. Seed is to be dried properly to a moisture level of 11-12% before storage.