



Production requirements for 1 hectare of Soya beans

Seed requirements: Generally require about 100kgs of seed per hectare, to achieve a plant population of 300 000 - 450 000 plants per hectare

Planting dates: Mid November to Early December depending with the variety

Target Yield; 2 - 4 tonnes per hectare, Higher yields can be achieved with Good Agronomic Practices (GAPS)

It is highly recommended that seed should be inoculated with Rhizobium bacteria at planting

Optimum pH- Soyabeans are very sensitive to soil acidity, and for maximum yields the pH must be at least 5.5.

Fertilizer requirements	Product	Rate/ha	Nitrogen	Phosphate	Potash	Sulphur	Comments
Base Dressing Agricura Compound C	5:15;12 + 6%S	300	15	45	36	18	All applied at planting.

Herbicides, Pesticides & Fungicides

Problem	Product	Application Rate	Application / Comments
Mainly Grasses	Kalif/Clomazone	1.5 - 2.0 lt per ha	Pre-emergent to both the weed and the crop
	Relay/Harness	0.6 - 0.9lt per ha	Pre-emergent to both the weed and the crop
	Metolachlor 960	0.9 - 1.9 lt per ha	Pre-emergent to both the weed and the crop
	Alachlor/Laso	3 - 4lt per ha	Pre-emergent to both the weed and the crop
	Trifluralin	1.1 - 1.6lt per ha	Apply as a pre-plant incorporated herbicide about three weeks before planting
	Galant Super	0.6 - 2.4lt per ha	Post emergent to annual and perennial grasses
	Strongarm	30 grms per ha	Pre-emergent, for grasses, B/L weeds & supression of sedges
	Agil 100 EC	0.5 - 2.0 lt per ha	Postemergent against annual and perennial grasses
Mainly B/L weeds & Some Grasses	Metribuzin 48 EC	0.6 - 1.0 lt per ha	Pre - emergent to both the weed and crop, mainly B/L weeds
	Basagran/Bentazone	3.0 lt per ha	Post - emergent mainly B/L weeds & nut sedges
	Terbutryn	1.8 - 2.4 lt per ha	Pre -emergent to both the weeds and the crop
	Chlorimuron/Classic	30 grms per ha	Post emergent to B/L weeds and supression of nut sedges
	Pursuit/Imazethapyr	700 mls per ha	Post emergent to grasses and B/L weeds, supression of sedges
Cutworms	Lambda Cyalothrin	200mls per ha	Apply as a band spray at planting or over row after germination
	Fenvelerate	160mls per ha	Apply as a band spray at planting or over row after germination
PTO			

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Growing Farming Generations

Aphids only	Dimethoate	800 - 1000 mls per ha	Apply as a full cover spray, repeat as necessary
	Malathion 25wp	400 - 500grms per ha	Apply as a FCS and repeat as necessary
Boll worms,	Carbaryl 85	625 - 750 grams per ha	Apply as a full cover spray, repeat as necessary
Caterpillars,	Lambda Cyalothrin	200mls per ha	Apply as a full cover spray, tank mix with Chlopyrifos
Semi-loopers	Dichlorvos	200 - 300 mls per ha	Apply as a full cover spray and repeat as necessary
Snout beetle	Decis forte	125mls per ha	Repeat as necessary after flowering
Caterpillars	Emamectin + Lufenuron	300grms per ha	Apply as a FCS, repeat as necessary
D.B Moth	Emamectin + Thiamethoxam	300 grms per ha	Apply as a FCS, repeat as necessary
Damping off	Thiram 80 WP	170 g /100 kg	Seed dressing
Frog eye	Tebuconazole	500mls per ha	Apply at the onset of disease infection, repeat as necessary
	Azoxystrobin	500mls per ha	First spray at onset of infection
Soyabean	Propiconazole/Tilt	300 - 500mls per ha	Apply at 50, 70 & 90 days after planting
Rust	Shavit/Triadimenol	500mls per ha	Apply 2/3 sprays from 50 days after planting at 21 day intervals
	Tebuconazole	0.4 - 0.6lt per ha	Apply as a FCS at onset of disease repeat as necessary
	Funginex	1500mls per ha	Apply at first signs of disease infestation, apply 3 times/season
Leaf blotch	Opera	300mls per ha	Apply at the onset of flowering, Repeat 21 - 28 days later

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ALWAYS READ LABELS BEFORE USING THE PRODUCTS