

DAS	Location	Operation1	Operation2	Operation3	Description1	Description2	Description3	Input	Unit	Units/acre
-4	Field	Field preparation	Organic manuring	Manure application			ONLY ONCE PER YEAR	Vermicompost	mt	1.20
-4	Field	Field preparation	Organic manuring				ONLY ONCE PER YEAR	Labor	Man-d	1.00
-4	Field	Field preparation	Ploughing					Tractor with plough	Tractor-op.	2.00
-4	Field	Field preparation	Fertilization	Basal fertilizer	00-80-00 N-P-K			Single-Superphosphate	kg	450.00
-4	Field	Field preparation	Fertilization	Basal fertilizer				Zn-Sulphate	kg	20.00
-4	Field	Field preparation	Fertilization					Labor	Man-d	2.00
-4	Field	Field preparation	Rotovating					Tractor with rotovator	Tractor-op.	1.00
-4	Field	Field preparation	Planking					Tractor with planker	Tractor-op.	2.00
0	Field	Sowing						Seed	kg	15.00
0	Field	Sowing	90-cm lateral spacing	2 rows/drip lateral	12-15 cm from lateral, 10 cm between plants	90,000 plants/A		Labor	Man-d	8.00
0	Field	Sowing	Drip-Irrigation		3.5 hrs (15 mm)			Labor	Man-d	0.50
0	Field	Cultivation	Herbicide application		Concentration: 0.50%	within 24 h of sowing		Stomp 30% EC (Pendimethalin)	ltr	1.00
0	Field	Cultivation	Herbicide application					Water	ltr	200.00
0	Field	Cultivation	Herbicide application					Labor	Man-d	0.50
14-80	Field	Fertigation	Nutrient stock solution		BI-DAILY RATE: 9328 g	TOTAL: 50-00-00 N-P-K	from 7 days after germination	Calcium nitrate	kg	250.00
14-80	Field	Fertigation	Nutrient stock solution		BI-DAILY RATE: 4776 g	TOTAL: 00-00-80 N-P-K	from 7 days after germination	SOP (K2SO4)	kg	120.00
14-80	Field	Fertigation	Nutrient stock solution		BI-DAILY RATE: 20 g		from 7 days after germination	Fetrilon-Combi-2	kg	1.07
14-80	Field	Fertigation	Nutrient stock solution		DAILY MINIMUM RATE: 100 ltr	Venturi valve: 250 ltr/hr	from 7 days after germination	Water	ltr	6700.00
14-80	Field	Fertigation			DAILY REQUIREMENT: see attached			Water	m3	290.00
14-80	Field	Fertigation			DAILY REQUIREMENT: 0.25 Man-day			Labor	Man-d	17.00
7	Field	Cultivation	Plant protection	Insecticide	Concentration: 0.02%, H.I.: 14 days	against cutworm; after germination	PREVENTIVE	Actara 25% WG (Thiamethoxam)	kg	0.08
7	Field	Cultivation	Plant protection				PREVENTIVE	Water	ltr	200.00
7	Field	Cultivation	Plant protection			spray after sunrise	PREVENTIVE	Labor	Man-d	0.50
14	Field	Cultivation	Plant protection	Fungicide	Concentration: 0.20%, H.I.: 14 days		NEED-BASED	Abic M-45 75% EC (Mancozeb)	kg	0.40
14	Field	Cultivation	Plant protection	Insecticide	Concentration: 0.02%, H.I.: 14 days		PREVENTIVE	Actara 25% WG (Thiamethoxam)	kg	0.08
14	Field	Cultivation	Plant protection				NEED-BASED	Water	ltr	200.00
14	Field	Cultivation	Plant protection			spray late afternoon	NEED-BASED	Labor	Man-d	0.50
21	Field	Cultivation	Plant protection	Fungicide	Concentration: 0.20%, H.I.: 14 days		NEED-BASED	Abic M-45 75% EC (Mancozeb)	kg	0.40
21	Field	Cultivation	Plant protection	Insecticide	Concentration: 0.02%, H.I.: 14 days		PREVENTIVE	Actara 25% WG (Thiamethoxam)	kg	0.08
21	Field	Cultivation	Plant protection				NEED-BASED	Water	ltr	200.00
21	Field	Cultivation	Plant protection			spray late afternoon	NEED-BASED	Labor	Man-d	0.50
28	Field	Cultivation	Plant protection	Fungicide	Concentration: 0.20%, H.I.: 14 days		NEED-BASED	Abic M-45 75% EC (Mancozeb)	kg	0.40
28	Field	Cultivation	Plant protection	Insecticide	Concentration: 0.02%, H.I.: 14 days		PREVENTIVE	Actara 25% WG (Thiamethoxam)	kg	0.08
28	Field	Cultivation	Plant protection				NEED-BASED	Water	ltr	200.00
28	Field	Cultivation	Plant protection			spray late afternoon	NEED-BASED	Labor	Man-d	0.50
35	Field	Cultivation	Weeding				NEED-BASED	Labor	Man-d	10.00
35	Field	Cultivation	Plant protection	Fungicide	Concentration: 0.20%, H.I.: 14 days		NEED-BASED	Abic M-45 75% EC (Mancozeb)	kg	0.40
35	Field	Cultivation	Plant protection	Insecticide	Concentration: 0.02%, H.I.: 14 days		PREVENTIVE	Actara 25% WG (Thiamethoxam)	kg	0.08
35	Field	Cultivation	Plant protection				NEED-BASED	Water	ltr	200.00
35	Field	Cultivation	Plant protection			spray late afternoon	NEED-BASED	Labor	Man-d	0.50
42	Field	Cultivation	Plant protection	Fungicide	Concentration: 0.20%, H.I.: 14 days		NEED-BASED	Abic M-45 75% EC (Mancozeb)	kg	0.40
42	Field	Cultivation	Plant protection	Insecticide	Concentration: 0.02%, H.I.: 14 days		PREVENTIVE	Actara 25% WG (Thiamethoxam)	kg	0.08
42	Field	Cultivation	Plant protection				NEED-BASED	Water	ltr	200.00
42	Field	Cultivation	Plant protection			spray late afternoon	NEED-BASED	Labor	Man-d	0.50
48	Field	Cultivation	Plant protection	Fungicide	Concentration: 0.30%, H.I.: 1 day		NEED-BASED	Thiovit 80% WP (Sulphur)	kg	0.60
48	Field	Cultivation	Plant protection	Insecticide	Concentration: 0.02%, H.I.: 14 days		PREVENTIVE	Actara 25% WG (Thiamethoxam)	kg	0.08
48	Field	Cultivation	Plant protection				NEED-BASED	Water	ltr	200.00
48	Field	Cultivation	Plant protection			spray late afternoon	NEED-BASED	Labor	Man-d	0.50
55	Field	Cultivation	Plant protection	Fungicide	Concentration: 0.20%, H.I.: 7 days	at first flowering	PREVENTIVE	Rovral 50% WP (Iprodione)	kg	0.40
55	Field	Cultivation	Plant protection	Insecticide	Concentration: 0.20%, H.I.: 3 days	at first flowering	NEED-BASED	Basathrin 25% EC (Cypermethrin)	ltr	0.40
55	Field	Cultivation	Plant protection			at first flowering	PREVENTIVE	Water	ltr	200.00
55	Field	Cultivation	Plant protection			at first flowering	PREVENTIVE	Labor	Man-d	0.50
62	Field	Harvest					NEED-BASED	Labor	Man-d	5.00
62	Field	Cultivation	Plant protection	Fungicide	Concentration: 0.30%, H.I.: 1 day		NEED-BASED	Thiovit 80% WP (Sulphur)	kg	0.60
62	Field	Cultivation	Plant protection				NEED-BASED	Water	ltr	200.00
62	Field	Cultivation	Plant protection			spray late afternoon	NEED-BASED	Labor	Man-d	0.50
64	Field	Harvest					NEED-BASED	Labor	Man-d	5.00
66	Field	Harvest					NEED-BASED	Labor	Man-d	5.00
68	Field	Harvest					NEED-BASED	Labor	Man-d	5.00
70	Field	Harvest					NEED-BASED	Labor	Man-d	5.00
70	Field	Cultivation	Plant protection	Fungicide	Concentration: 0.30%, H.I.: 1 day		NEED-BASED	Thiovit 80% WP (Sulphur)	kg	0.60
70	Field	Cultivation	Plant protection				NEED-BASED	Water	ltr	200.00
70	Field	Cultivation	Plant protection			spray late afternoon	NEED-BASED	Labor	Man-d	0.50
72	Field	Harvest					NEED-BASED	Labor	Man-d	5.00
74	Field	Harvest					NEED-BASED	Labor	Man-d	5.00
76	Field	Harvest					NEED-BASED	Labor	Man-d	5.00
78	Field	Harvest					NEED-BASED	Labor	Man-d	5.00
80	Field	Harvest					NEED-BASED	Labor	Man-d	5.00