

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	00-00-20 N-P-K			SOP (K2SO4)	kg	40.00
-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	Bed preparation	Bed making	45-cm bed & 45-cm furrow				Tractor with bedmaker (+planker)	Tractor-op.	1.00
-4	Field	Bed preparation	Bed making	45-cm bed & 45-cm furrow				Labor	Man-d	1.00
-4	Field	Cultivation	Irrigation	Furrow				Labor	Man-d	1.00
0	Field	Sowing						Seed	kg	15.00
0	Field	Sowing	45-cm bed & 45-cm furrow	2 rows/bed	30-cm interrow, 10-cm interplant distance	90,000 plants/A		Labor	Man-d	8.00
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
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
10	Field	Cultivation	Irrigation	Furrow			NEED-BASED	Labor	Man-d	1.00
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	Fertilization	Side dressing	12-00-00 N-P-K			Calcium-Nitrate (CaNO3)	kg	75.00
21	Field	Cultivation	Fertilization	Side dressing	00-00-20 N-P-K			SOP (K2SO4)	kg	40.00
21	Field	Cultivation	Fertilization					Labor	Man-d	1.00
21	Field	Cultivation	Irrigation	Furrow			NEED-BASED	Labor	Man-d	1.00
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	Fertilization	Foliar application	Concentration: 0.15%			Fertilon-Combi-2	kg	0.30
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	Fertilization	Side dressing	12-00-00 N-P-K			Calcium-Nitrate (CaNO3)	kg	75.00
35	Field	Cultivation	Fertilization	Side dressing	00-00-20 N-P-K			SOP (K2SO4)	kg	40.00
35	Field	Cultivation	Fertilization					Labor	Man-d	1.00
35	Field	Cultivation	Irrigation	Furrow			NEED-BASED	Labor	Man-d	1.00
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	Fertilization	Side dressing	12-00-00 N-P-K			Calcium-Nitrate (CaNO3)	kg	75.00
48	Field	Cultivation	Fertilization	Side dressing	00-00-20 N-P-K			SOP (K2SO4)	kg	40.00
48	Field	Cultivation	Fertilization					Labor	Man-d	1.00
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	Fertilization	Foliar application	Concentration: 0.15%			Fertilon-Combi-2	kg	0.30
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
48	Field	Cultivation	Irrigation	Furrow			NEED-BASED	Labor	Man-d	1.00
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	Fertilization	Foliar application	Concentration: 0.15%			Fertilon-Combi-2	kg	0.30
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
62	Field	Cultivation	Irrigation	Furrow			NEED-BASED	Labor	Man-d	1.00
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

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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