

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		Apply evenly to field surface		ONLY ONCE PER YEAR	Labor	Man-d	1.00
-4	Field	Field preparation	Fertilization	Basal fertilizer	09-00-00 N-P-K			Calcium-Nitrate (CaNO3)	kg	60.00
-4	Field	Field preparation	Fertilization	Basal fertilizer	00-56-00 N-P-K			Single-Superphosphate	kg	320.00
-4	Field	Field preparation	Fertilization	Basal fertilizer	00-00-15 N-P-K			SOP (K2SO4)	kg	30.00
-4	Field	Field preparation	Fertilization	Basal fertilizer				Zn-Sulphate	kg	20.00
-4	Field	Field preparation	Fertilization	Basal fertilizer				Labor	Man-d	0.50
-4	Field	Field preparation	Rotovating					Tractor with rotovator	Tractor-op.	1.00
-4	Field	Bed preparation	Bed making	90-cm bed & 45-cm furrow				Tractor with bedmaker (+planker)	Tractor-op.	1.00
-3	Field	Bed preparation	Trellis construction	single-row type	2 poles on one side and each end of beds		ONLY NEW INSTALLATION	3.3x0.01 m eucalyptus poles	#	120.00
-3	Field	Bed preparation	Trellis construction	single-row type	1 stick/bed, 1.5-m distance within rows		ONLY NEW INSTALLATION	2.5-m bamboo stick	#	1850.00
-3	Field	Bed preparation	Trellis construction	single-row type	at 1.5-m height		ONLY NEW INSTALLATION	GI wire	kg	170.00
-3	Field	Bed preparation	Trellis construction	single-row type				Labor	Man-d	15.00
-3	Field	Bed preparation	Irrigation	Furrow				Labor	Man-d	0.50
0	Field	Sowing						Seed	kg	35.00
0	Field	Sowing	90-cm bed & 45-cm furrow	2 rows/bed	10-15-cm interrow, 5-cm interplant distance	on one side of beds	120,000 plants/A	Labor	Man-d	10.00
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	1.00
7	Field	Cultivation	Irrigation	Furrow	after germination		NEED-BASED	Labor	Man-d	0.50
14	Field	Cultivation	Trellising		One string 15-30-cm above soil or topmost string			Plastic suti	mtr	4050.00
14	Field	Cultivation	Trellising					Labor	Man-d	1.00
14	Field	Cultivation	Plant protection	Insecticide	Concentration: 0.20%, H.I.: 3 days		NEED-BASED	Basathrin 25% EC (Cypermethrin)	ltr	0.40
14	Field	Cultivation	Plant protection	Fungicide	Concentration: 0.30%, H.I.: 1 day		NEED-BASED	Thiovit 80% WP (Sulphur)	kg	0.60
14	Field	Cultivation	Plant protection				NEED-BASED	Water	ltr	200.00
14	Field	Cultivation	Plant protection				NEED-BASED	Labor	Man-d	1.00
21	Field	Cultivation	Plant protection	Fungicide	Concentration: 0.50%, H.I.: 5 days		NEED-BASED	Kocide (Copper hydroxide)	kg	1.00
21	Field	Cultivation	Plant protection				NEED-BASED	Water	ltr	200.00
21	Field	Cultivation	Plant protection				NEED-BASED	Labor	Man-d	1.00
21	Field	Cultivation	Irrigation	Furrow			NEED-BASED	Labor	Man-d	0.50
28	Field	Cultivation	Trellising		One string 15-30-cm above soil or topmost string			Plastic suti	mtr	4050.00
28	Field	Cultivation	Trellising					Labor	Man-d	1.00
28	Field	Cultivation	Plant protection	Insecticide	Concentration: 0.20%, H.I.: 3 days		NEED-BASED	Basathrin 25% EC (Cypermethrin)	ltr	0.40
28	Field	Cultivation	Plant protection	Fungicide	Concentration: 0.30%, H.I.: 1 day		NEED-BASED	Thiovit 80% WP (Sulphur)	kg	0.60
28	Field	Cultivation	Plant protection				NEED-BASED	Water	ltr	200.00
28	Field	Cultivation	Plant protection				NEED-BASED	Labor	Man-d	1.00
35	Field	Cultivation	Fertilization	Side dressing	09-00-00 N-P-K			Calcium-Nitrate (CaNO3)	kg	60.00
35	Field	Cultivation	Fertilization	Side dressing	00-00-15 N-P-K			SOP (K2SO4)	kg	30.00
35	Field	Cultivation	Fertilization	Side dressing				Labor	Man-d	0.50
35	Field	Cultivation	Irrigation	Furrow			NEED-BASED	Labor	Man-d	0.50
35	Field	Cultivation	Plant protection	Fungicide	Concentration: 0.50%, H.I.: 5 days		NEED-BASED	Kocide (Copper hydroxide)	kg	1.00
35	Field	Cultivation	Plant protection				NEED-BASED	Water	ltr	200.00
35	Field	Cultivation	Plant protection				NEED-BASED	Labor	Man-d	1.00
42	Field	Cultivation	Trellising		One string 15-30-cm above soil or topmost string			Plastic suti	mtr	4050.00
42	Field	Cultivation	Trellising					Labor	Man-d	1.00
42	Field	Cultivation	Plant protection	Insecticide	Concentration: 0.20%, H.I.: 3 days		NEED-BASED	Basathrin 25% EC (Cypermethrin)	ltr	0.40
42	Field	Cultivation	Plant protection	Fungicide	Concentration: 0.30%, H.I.: 1 day		NEED-BASED	Thiovit 80% WP (Sulphur)	kg	0.60
42	Field	Cultivation	Plant protection				NEED-BASED	Water	ltr	200.00
42	Field	Cultivation	Plant protection				NEED-BASED	Labor	Man-d	1.00
49	Field	Cultivation	Plant protection	Fungicide	Concentration: 0.50%, H.I.: 5 days		NEED-BASED	Kocide (Copper hydroxide)	kg	1.00
49	Field	Cultivation	Plant protection				NEED-BASED	Water	ltr	200.00
49	Field	Cultivation	Plant protection				NEED-BASED	Labor	Man-d	1.00
49	Field	Cultivation	Irrigation	Furrow			NEED-BASED	Labor	Man-d	0.50
56	Field	Cultivation	Trellising		One string 15-30-cm above soil or topmost string			Plastic suti	mtr	4050.00
56	Field	Cultivation	Trellising					Labor	Man-d	1.00
56	Field	Cultivation	Fertilization	Foliar application	Concentration: 0.10%			Fertilon-Combi-2	kg	0.20
56	Field	Cultivation	Plant protection	Insecticide	Concentration: 0.20%, H.I.: 3 days		NEED-BASED	Basathrin 25% EC (Cypermethrin)	ltr	0.40
56	Field	Cultivation	Plant protection	Fungicide	Concentration: 0.30%, H.I.: 1 day		NEED-BASED	Thiovit 80% WP (Sulphur)	kg	0.60
56	Field	Cultivation	Plant protection				NEED-BASED	Water	ltr	200.00
56	Field	Cultivation	Plant protection				NEED-BASED	Labor	Man-d	1.00
63	Field	Cultivation	Plant protection	Fungicide	Concentration: 0.50%, H.I.: 5 days		NEED-BASED	Kocide (Copper hydroxide)	kg	1.00
63	Field	Cultivation	Plant protection				NEED-BASED	Water	ltr	200.00
63	Field	Cultivation	Plant protection				NEED-BASED	Labor	Man-d	1.00
63	Field	Cultivation	Irrigation	Furrow			NEED-BASED	Labor	Man-d	0.50
70	Field	Cultivation	Trellising		One string 15-30-cm above soil or topmost string			Plastic suti	mtr	4050.00
70	Field	Cultivation	Trellising					Labor	Man-d	1.00
70	Field	Cultivation	Plant protection	Insecticide	Concentration: 0.20%, H.I.: 3 days		NEED-BASED	Basathrin 25% EC (Cypermethrin)	ltr	0.40
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				NEED-BASED	Labor	Man-d	1.00
77	Field	Cultivation	Fertilization	Side dressing	09-00-00 N-P-K			Calcium-Nitrate (CaNO3)	kg	60.00

DAS	Location	Operation1	Operation2	Operation3	Description1	Description2	Description3	Input	Unit	Units/acre
77	Field	Cultivation	Fertilization	Side dressing	00-00-15 N-P-K			SOP (K2SO4)	kg	30.00
77	Field	Cultivation	Fertilization	Side dressing				Labor	Man-d	0.50
77	Field	Cultivation	Irrigation	Furrow			NEED-BASED	Labor	Man-d	0.50
77	Field	Cultivation	Fertilization	Foliar application	Concentration: 0.10%			Fertilon-Combi-2	kg	0.20
77	Field	Cultivation	Plant protection	Fungicide	Concentration: 0.20%, H.I.: 7 days	at first flowering	PREVENTIVE	Rovral 50% WP (Iprodione)	kg	0.40
77	Field	Cultivation	Plant protection			at first flowering	PREVENTIVE	Water	ltr	200.00
77	Field	Cultivation	Plant protection			at first flowering	PREVENTIVE	Labor	Man-d	1.00
83	Field	Cultivation	Trellising		One string 15-30-cm above soil or topmost string			Plastic suti	mtr	4050.00
83	Field	Cultivation	Trellising					Labor	Man-d	1.00
83	Field	Cultivation	Plant protection	Fungicide	Concentration: 0.20%, H.I.: 7 days		NEED-BASED	Rovral 50% WP (Iprodione)	kg	0.40
83	Field	Cultivation	Plant protection	Fungicide	Concentration: 0.50%, H.I.: 5 days		NEED-BASED	Kocide (Copper hydroxide)	kg	1.00
83	Field	Cultivation	Plant protection				NEED-BASED	Water	ltr	200.00
83	Field	Cultivation	Plant protection				NEED-BASED	Labor	Man-d	1.00
90	Field	Harvest						Labor	Man-d	5.00
90	Field	Cultivation	Plant protection	Fungicide	Concentration: 0.30%, H.I.: 1 day		NEED-BASED	Thiovit 80% WP (Sulphur)	kg	0.60
90	Field	Cultivation	Plant protection				NEED-BASED	Water	ltr	200.00
90	Field	Cultivation	Plant protection				NEED-BASED	Labor	Man-d	1.00
92	Field	Harvest						Labor	Man-d	5.00
92	Field	Cultivation	Irrigation	Furrow			NEED-BASED	Labor	Man-d	0.50
94	Field	Harvest						Labor	Man-d	5.00
96	Field	Harvest						Labor	Man-d	5.00
96	Field	Cultivation	Plant protection	Fungicide	Concentration: 0.30%, H.I.: 1 day		NEED-BASED	Thiovit 80% WP (Sulphur)	kg	0.60
96	Field	Cultivation	Plant protection				NEED-BASED	Water	ltr	200.00
96	Field	Cultivation	Plant protection				NEED-BASED	Labor	Man-d	1.00
98	Field	Cultivation	Trellising		One string 15-30-cm above soil or topmost string			Plastic suti	mtr	4050.00
98	Field	Cultivation	Trellising					Labor	Man-d	1.00
98	Field	Harvest						Labor	Man-d	5.00
100	Field	Harvest						Labor	Man-d	5.00
102	Field	Harvest						Labor	Man-d	5.00
102	Field	Cultivation	Plant protection	Fungicide	Concentration: 0.30%, H.I.: 1 day		NEED-BASED	Thiovit 80% WP (Sulphur)	kg	0.60
102	Field	Cultivation	Fertilization	Foliar application	Concentration: 0.10%			Fertilon-Combi-2	kg	0.20
102	Field	Cultivation	Fertilization					Water	ltr	200.00
102	Field	Cultivation	Fertilization					Labor	Man-d	1.00
104	Field	Harvest						Labor	Man-d	5.00
106	Field	Harvest						Labor	Man-d	5.00
106	Field	Cultivation	Fertilization	Side dressing	09-00-00 N-P-K			Calcium-Nitrate (CaNO3)	kg	60.00
106	Field	Cultivation	Fertilization	Side dressing	00-00-15 N-P-K			SOP (K2SO4)	kg	30.00
106	Field	Cultivation	Fertilization	Side dressing				Labor	Man-d	1.00
106	Field	Cultivation	Irrigation	Furrow			NEED-BASED	Labor	Man-d	0.50
108	Field	Harvest						Labor	Man-d	5.00
110	Field	Harvest						Labor	Man-d	5.00
110	Field	Cultivation	Plant protection	Fungicide	Concentration: 0.30%, H.I.: 1 day		NEED-BASED	Thiovit 80% WP (Sulphur)	kg	0.60
110	Field	Cultivation	Plant protection				NEED-BASED	Water	ltr	200.00
110	Field	Cultivation	Plant protection				NEED-BASED	Labor	Man-d	1.00
112	Field	Harvest						Labor	Man-d	5.00
114	Field	Harvest						Labor	Man-d	5.00
116	Field	Harvest						Labor	Man-d	5.00
118	Field	Harvest						Labor	Man-d	5.00
120	Field	Harvest						Labor	Man-d	5.00