

DAT	Location	Operation1	Operation2	Operation3	Description1	Description2	Description3	Input	Unit	Units/acre
-20	Field	Field preparation	Irrigation	Flood	ONLY for newly acclimated land		NEED-BASED	Labor	Man-d	0.50
-10	Field	Field preparation	Deep-chiseling		ONLY for newly acclimated land	EITHER deep-chiseling or ploughing	NEED-BASED	Tractor with chisel	Tractor-op.	1.00
-10	Field	Field preparation	Ploughing		ONLY for newly acclimated land	EITHER deep-chiseling or ploughing	NEED-BASED	Tractor with plough	Tractor-op.	1.00
-3	Field	Field preparation	Organic manuring	Manure application			ONLY ONCE PER YEAR	Vermicompost	mt	1.20
-3	Field	Field preparation	Organic manuring	Manure application			ONLY ONCE PER YEAR	Vermicompost	mt	1.20
-3	Field	Field preparation	Organic manuring		Apply evenly to field surface		ONLY ONCE PER YEAR	Labor	Man-d	1.00
-3	Field	Field preparation	Fertilization	Basal fertilizer	23-00-00 N-P-K			Urea	kg	50.00
-3	Field	Field preparation	Fertilization	Basal fertilizer	18-46-00 N-P-K			DAP	kg	100.00
-3	Field	Field preparation	Fertilization	Basal fertilizer	00-00-60 N-P-K			SOP (potassium sulphate)	kg	120.00
-3	Field	Field preparation	Fertilization	Basal fertilizer				Zn-Sulphate	kg	20.00
-3	Field	Field preparation	Fertilization		Mix and apply evenly to surface			Labor	Man-d	1.00
-2	Field	Field preparation	Harrowing					Tractor with harrow	Tractor-op.	1.00
-2	Field	Field preparation	Planking					Tractor with planker	Tractor-op.	1.00
-2	Field	Bed preparation	Bed making	90-cm bed & 45-cm furrow				Tractor with bedmaker	Tractor-op.	1.00
-2	Field	Bed preparation	Irrigation	Furrow				Labor	Man-d	0.50
0	Field	Sowing						Seed	kg	1.50
0	Field	Sowing	90-cm bed & 45-cm furrow	2 row/bed	90-cm interplant distance	6,700 plants/A		Labor	Man-d	1.00
0	Field	Cultivation	Irrigation	Furrow				Labor	Man-d	0.50
7	Field	Cultivation	Irrigation	Furrow			NEED-BASED	Labor	Man-d	0.50
14	Field	Cultivation	Irrigation	Furrow			NEED-BASED	Labor	Man-d	0.50
14	Field	Cultivation	Weeding				NEED-BASED	Labor	Man-d	6.00
14	Field	Cultivation	Plant protection	Insecticide	Concentration: 0.08%	against Red Pumpkin Beetle, after germination		Karate (Lambda Cyhalothrin 5% EC)	ltr	0.16
14	Field	Cultivation	Plant protection	Fungicide	Concentration: 0.20%	against Downy Mildew		Abic M-45 (Mancozeb)	kg	0.40
14	Field	Cultivation	Plant protection	Fungicide	Concentration: 0.20%	against Powdery Mildew; apply in the evening		Thiovit 80% WP (Sulphur)	kg	0.40
14	Field	Cultivation	Plant protection					Water	ltr	200.00
14	Field	Cultivation	Plant protection					Labor	Man-d	0.50
21	Field	Cultivation	Mulching	Rice or wheat straw				Straw	mt	
21	Field	Cultivation	Mulching		Cover beds			Labor	Man-d	
21	Field	Cultivation	Irrigation	Furrow			NEED-BASED	Labor	Man-d	0.50
28	Field	Cultivation	Irrigation	Furrow			NEED-BASED	Labor	Man-d	0.50
28	Field	Cultivation	Plant protection	Insecticide	Concentration: 0.20%		NEED-BASED	Rogor 30% EC (Dimethoate)	ltr	0.40
28	Field	Cultivation	Plant protection				NEED-BASED	Water	ltr	200.00
28	Field	Cultivation	Plant protection				NEED-BASED	Labor	Man-d	0.50
37	Field	Cultivation	Irrigation	Furrow			NEED-BASED	Labor	Man-d	0.50
37	Field	Cultivation	Plant protection	Fungicide	Concentration: 0.20%	against Downy Mildew		Abic M-45 (Mancozeb)	kg	0.40
37	Field	Cultivation	Plant protection	Fungicide	Concentration: 0.20%	against Powdery Mildew; apply in the evening		Thiovit 80% WP (Sulphur)	kg	0.40
37	Field	Cultivation	Plant protection					Water	ltr	200.00
37	Field	Cultivation	Plant protection					Labor	Man-d	0.50
44	Field	Cultivation	Irrigation	Furrow			NEED-BASED	Labor	Man-d	0.50
44	Field	Cultivation	Weeding				NEED-BASED	Labor	Man-d	6.00
44	Field	Cultivation	Plant protection	Insecticide	Concentration: 0.20%		NEED-BASED	Rogor 30% EC (Dimethoate)	ltr	0.40
44	Field	Cultivation	Plant protection				NEED-BASED	Water	ltr	200.00
44	Field	Cultivation	Plant protection				NEED-BASED	Labor	Man-d	0.50
51	Field	Cultivation	Fertilization	Side dressing	12-00-00 N-P-K			Urea	kg	25.00
51	Field	Cultivation	Fertilization	Basal fertilizer	00-00-15 N-P-K			SOP (potassium sulphate)	kg	30.00
51	Field	Cultivation	Fertilization		Mix and apply evenly to surface			Labor	Man-d	1.00
51	Field	Cultivation	Irrigation	Furrow			NEED-BASED	Labor	Man-d	0.50
51	Field	Cultivation	Plant protection	Fungicide	Concentration: 0.20%	against Downy Mildew		Abic M-45 (Mancozeb)	kg	0.40
51	Field	Cultivation	Plant protection	Fungicide	Concentration: 0.20%	against Powdery Mildew; apply in the evening		Thiovit 80% WP (Sulphur)	kg	0.40
51	Field	Cultivation	Plant protection					Water	ltr	200.00
51	Field	Cultivation	Plant protection					Labor	Man-d	0.50
58	Field	Cultivation	Fertilization	Side dressing	12-00-00 N-P-K			Urea	kg	25.00
58	Field	Cultivation	Fertilization	Basal fertilizer	00-00-15 N-P-K			SOP (potassium sulphate)	kg	30.00
58	Field	Cultivation	Fertilization		Mix and apply evenly to surface			Labor	Man-d	1.00
58	Field	Cultivation	Irrigation	Furrow			NEED-BASED	Labor	Man-d	0.50
58	Field	Cultivation	Weeding				NEED-BASED	Labor	Man-d	6.00
58	Field	Cultivation	Plant protection	Insecticide	Concentration: 0.20%		NEED-BASED	Rogor 30% EC (Dimethoate)	ltr	0.40
58	Field	Cultivation	Plant protection				NEED-BASED	Water	ltr	200.00
58	Field	Cultivation	Plant protection				NEED-BASED	Labor	Man-d	0.50
65	Field	Cultivation	Plant protection	Fungicide	Concentration: 0.20%	against Downy Mildew		Abic M-45 (Mancozeb)	kg	0.40
65	Field	Cultivation	Plant protection	Fungicide	Concentration: 0.20%	against Powdery Mildew; apply in the evening		Thiovit 80% WP (Sulphur)	kg	0.40
65	Field	Cultivation	Plant protection					Water	ltr	200.00
65	Field	Cultivation	Plant protection					Labor	Man-d	0.50
70	Field	Cultivation	Irrigation	Furrow			NEED-BASED	Labor	Man-d	0.50
70	Field	Cultivation	Plant protection	Insecticide	Concentration: 0.20%		NEED-BASED	Rogor 30% EC (Dimethoate)	ltr	0.40
70	Field	Cultivation	Plant protection				NEED-BASED	Water	ltr	200.00
70	Field	Cultivation	Plant protection				NEED-BASED	Labor	Man-d	0.50
80	Field	Cultivation	Irrigation	Furrow			NEED-BASED	Labor	Man-d	0.50

80	Field	Cultivation	Weeding				NEED-BASED	Labor	Man-d	6.00
80	Field	Cultivation	Plant protection	Fungicide	Concentration: 0.50%	against Downy Mildew; apply in the evening		Kocide (Copper hydroxide)	kg	1.00
80	Field	Cultivation	Plant protection	Fungicide	Concentration: 0.20%	against Powdery Mildew; apply in the evening		Thiovit 80% WP (Sulphur)	kg	0.40
80	Field	Cultivation	Plant protection					Water	ltr	200.00
80	Field	Cultivation	Plant protection					Labor	Man-d	0.50
90	Field	Harvest					NEED-BASED	Labor	Man-d	3.00
90	Field	Cultivation	Irrigation	Furrow			NEED-BASED	Labor	Man-d	0.50
90	Field	Cultivation	Plant protection	Insecticide	Concentration: 0.20%		NEED-BASED	Rogor 30% EC (Dimethoate)	ltr	0.40
90	Field	Cultivation	Plant protection				NEED-BASED	Water	ltr	200.00
90	Field	Cultivation	Plant protection				NEED-BASED	Labor	Man-d	0.50
100	Field	Harvest					NEED-BASED	Labor	Man-d	3.00
100	Field	Cultivation	Irrigation	Furrow			NEED-BASED	Labor	Man-d	0.50
100	Field	Cultivation	Plant protection	Fungicide	Concentration: 0.50%	against Downy Mildew; apply in the evening		Kocide (Copper hydroxide)	kg	1.00
100	Field	Cultivation	Plant protection	Fungicide	Concentration: 0.20%	against Powdery Mildew; apply in the evening		Thiovit 80% WP (Sulphur)	kg	0.40
100	Field	Cultivation	Plant protection					Water	ltr	200.00
100	Field	Cultivation	Plant protection					Labor	Man-d	0.50
110	Field	Harvest					NEED-BASED	Labor	Man-d	3.00
110	Field	Cultivation	Irrigation	Furrow			NEED-BASED	Labor	Man-d	0.50
120	Field	Harvest					NEED-BASED	Labor	Man-d	3.00
130	Field	Harvest					NEED-BASED	Labor	Man-d	3.00
131	Field	Harvest	Residue removal					Labor	Man-d	4.00