

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	27-00-00 N-P-K			Urea	kg	60.00
-4	Field	Field preparation	Fertilization	Basal fertilizer	15-40-00 N-P-K			DAP	kg	85.00
-4	Field	Field preparation	Fertilization	Basal fertilizer	00-00-45 N-P-K			MOP	kg	75.00
-4	Field	Field preparation	Fertilization	Basal fertilizer				Zn-Sulphate	kg	20.00
-4	Field	Field preparation	Fertilization		Mix and apply evenly to surface			Labor	Man-d	0.50
-3	Field	Field preparation	Harrowing					Tractor with harrow	Tractor-op.	1.00
-3	Field	Field preparation	Planking					Tractor with planker	Tractor-op.	1.00
-3	Field	Bed preparation	Bed making	90-cm bed & 45-cm furrow				Tractor with bedmaker	Tractor-op.	1.00
-3	Field	Cultivation	Irrigation	Furrow				Labor	Man-d	0.50
-1	Field	Sowing	Seed treatment					Seed	kg	12.00
-1	Field	Sowing	Seed treatment	Soaking with fungicide	Soak for 12 h overnight	7 g/kg seed	against Downy mildew	Apron (Metalaxyl 35% WS)	g	84.00
-1	Field	Sowing	Seed treatment			10 l/kg seed		Water	ltr	120.00
-1	Field	Sowing	Seed treatment					Labor	Man-d	0.50
0	Field	Sowing	On steep edges of 90-cm bed	10-cm interplant distance	60,000 plants/A	2-5-cm deep		Labor	Man-d	4.00
1	Field	Cultivation	Herbicide application		Concentration: 0.50%			Stomp (Pendimethalin)	ltr	1.00
1	Field	Cultivation	Herbicide application					Water	ltr	200.00
1	Field	Cultivation	Herbicide application					Labor	Man-d	0.50
7	Field	Cultivation	Plant protection	Insecticide	Concentration: 0.20%	after germination, for cutworm	PREVENTIVE	Basathrin (Cypermethrin 25% EC)	ltr	0.40
7	Field	Cultivation	Plant protection					Water	ltr	200.00
7	Field	Cultivation	Plant protection					Labor	Man-d	0.50
7	Field	Cultivation	Irrigation	Furrow				Labor	Man-d	0.50
10	Field	Cultivation	Irrigation	Furrow				Labor	Man-d	0.50
13	Field	Cultivation	Irrigation	Furrow				Labor	Man-d	0.50
16	Field	Cultivation	Irrigation	Furrow				Labor	Man-d	0.50
19	Field	Cultivation	Irrigation	Furrow				Labor	Man-d	0.50
19	Field	Cultivation	Fertilization	Side dressing	15-00-00 N-P-K			Urea	kg	30.00
19	Field	Cultivation	Fertilization					Labor	Man-d	0.50
22	Field	Cultivation	Irrigation	Furrow				Labor	Man-d	0.50
25	Field	Cultivation	Irrigation	Furrow				Labor	Man-d	0.50
25	Field	Cultivation	Weeding					Labor	Man-d	10.00
25	Field	Cultivation	Plant protection	Insecticide	Concentration: 0.40%			Neemazal 0.5% EC (Azadirachtin)	ltr	0.80
25	Field	Cultivation	Fertilization	Foliar application	Concentration: 0.10%			Fertilon-Combi-2	kg	0.20
25	Field	Cultivation	Plant protection					Water	ltr	200.00
25	Field	Cultivation	Plant protection					Labor	Man-d	0.50
28	Field	Cultivation	Fertilization	Side dressing	15-00-00 N-P-K			Urea	kg	30.00
28	Field	Cultivation	Irrigation	Furrow				Labor	Man-d	0.50
35	Field	Cultivation	Irrigation	Furrow				Labor	Man-d	0.50
35	Field	Cultivation	Fertilization					Labor	Man-d	1.50
35	Field	Cultivation	Plant protection	Insecticide	Concentration: 0.40%			Neemazal 0.5% EC (Azadirachtin)	ltr	0.80
35	Field	Cultivation	Fertilization	Foliar application	Concentration: 0.10%			Fertilon-Combi-2	kg	0.20
35	Field	Cultivation	Plant protection					Water	ltr	200.00
35	Field	Cultivation	Plant protection					Labor	Man-d	0.50
42	Field	Cultivation	Fertilization	Side dressing	15-00-00 N-P-K			Urea	kg	30.00
42	Field	Cultivation	Irrigation	Furrow				Labor	Man-d	0.50
45	Field	Cultivation	Weeding				NEED-BASED	Labor	Man-d	10.00
45	Field	Cultivation	Plant protection	Insecticide	Concentration: 0.40%			Neemazal 0.5% EC (Azadirachtin)	ltr	0.80
45	Field	Cultivation	Fertilization	Foliar application	Concentration: 0.10%			Fertilon-Combi-2	kg	0.20
45	Field	Cultivation	Plant protection					Water	ltr	200.00
45	Field	Cultivation	Plant protection					Labor	Man-d	0.50
50	Field	Cultivation	Detasseling		when tassels emerge	NOT required for Syngenta "SG 18"		Labor	Man-d	3.00
50	Field	Cultivation	Irrigation	Furrow				Labor	Man-d	0.50
55	Field	Cultivation	Plant protection	Insecticide	Concentration: 0.40%			Neemazal 0.5% EC (Azadirachtin)	ltr	0.80
55	Field	Cultivation	Fertilization	Foliar application	Concentration: 0.10%			Fertilon-Combi-2	kg	0.20
55	Field	Cultivation	Plant protection					Water	ltr	200.00
55	Field	Cultivation	Plant protection					Labor	Man-d	0.50
57	Field	Cultivation	Irrigation	Furrow				Labor	Man-d	0.50
64	Field	Cultivation	Irrigation	Furrow				Labor	Man-d	0.50
65	Field	Harvest						Labor	Man-d	5.00
66	Field	Harvest						Labor	Man-d	5.00
67	Field	Harvest						Labor	Man-d	5.00
68	Field	Harvest						Labor	Man-d	5.00
69	Field	Harvest						Labor	Man-d	5.00
70	Field	Harvest						Labor	Man-d	5.00

71	Field	Harvest						Labor	Man-d	5.00
71	Field	Cultivation	Irrigation	Furrow				Labor	Man-d	0.50
72	Field	Harvest						Labor	Man-d	5.00
73	Field	Harvest						Labor	Man-d	5.00
74	Field	Harvest						Labor	Man-d	5.00
75	Field	Harvest						Labor	Man-d	5.00
76	Field	Harvest						Labor	Man-d	5.00
77	Field	Harvest						Labor	Man-d	5.00
78	Field	Harvest						Labor	Man-d	5.00
79	Field	Harvest						Labor	Man-d	5.00
80	Field	Harvest						Labor	Man-d	5.00
80	Field	Harvest	Residue removal					Labor	Man-d	4.00