

DAT	Location	Operation1	Operation2	Operation3	Description1	Description2	Description3	Input	Unit	Units/acre
-20	Field	Field preparation	Organic manuring	Manure sampling	ONLY one sample per batch/delivery	SERVICE by SGS India Pvt. Ltd.		Service	Charge	1.00
-20	Field	Field preparation	Irrigation	Flood			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
-9	Field	Field preparation	Organic manuring	Manure application			ONLY ONCE PER YEAR	Vermicompost	mt	1.20
-9	Field	Field preparation	Organic manuring		Apply evenly to field surface		ONLY ONCE PER YEAR	Labor	Man-d	1.00
-9	Field	Field preparation	Fertilization	Basal fertilizer	Rate revised depending on soil-testing results	09-00-00 N-P-K		Urea	kg	200.00
-9	Field	Field preparation	Fertilization	Basal fertilizer	Rate revised depending on soil-testing results	31-78-00 N-P-K		DAP	kg	170.00
-9	Field	Field preparation	Fertilization	Basal fertilizer	Rate revised depending on soil-testing results	00-00-60 N-P-K		MOP	kg	100.00
-9	Field	Field preparation	Fertilization	Basal fertilizer				Zn-Sulphate	kg	20.00
-9	Field	Field preparation	Fertilization		Mix and apply evenly to surface			Labor	Man-d	1.00
-8	Field	Field preparation	Harrowing					Tractor with harrow	Tractor-op.	1.00
-8	Field	Field preparation	Planking					Tractor with planker	Tractor-op.	1.00
-8	Field	Bed preparation	Bed making	90-cm bed & 45-cm furrow				Tractor with bedmaker	Tractor-op.	1.00
-8	Field	Bed preparation	Chiseling		to improve drainage during monsoon			Tractor with chisel	Tractor-op.	1.00
-8	Field	Bed preparation	Irrigation	Furrow				Labor	Man-d	0.50
0	Field	Transplanting						Seedlings	#	10000.00
0	Field	Transplanting	90-cm bed & 45-cm furrow	1 row/bed	30-cm interplant distance	9,000 plants/A (=90%)		Labor	Man-d	2.00
0	Field	Cultivation	Irrigation	Furrow				Labor	Man-d	0.50
0	Field	Cultivation	Plant protection	Insecticide	Concentration: 0.20%			Bayrusil (Quinalphos 25% EC)	ltr	0.40
0	Field	Cultivation	Plant protection					Water	ltr	200.00
0	Field	Cultivation	Plant protection					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	Fungicide	Concentration: 0.50%			Kocide (Copper hydroxide 77%)	kg	1.00
14	Field	Cultivation	Plant protection	Insecticide	Concentration: 0.20%			Carbine (Cypermethrin)	ltr	0.40
14	Field	Cultivation	Plant protection					Water	ltr	200.00
14	Field	Cultivation	Plant protection					Labor	Man-d	0.50
21	Field	Cultivation	Irrigation	Furrow			NEED-BASED	Labor	Man-d	0.50
28	Field	Cultivation	Fertilization	Side dressing	14-00-00 N-P-K			Urea	kg	30.00
28	Field	Cultivation	Fertilization	Side dressing	05-14-00 N-P-K			DAP	kg	30.00
28	Field	Cultivation	Fertilization	Side dressing	00-00-15 N-P-K			MOP	kg	25.00
28	Field	Cultivation	Fertilization		Mix and apply evenly to surface			Labor	Man-d	1.00
28	Field	Cultivation	Plant protection	Insecticide	Concentration: 0.20%			Bayrusil (Quinalphos 25% EC)	ltr	0.40
28	Field	Cultivation	Plant protection					Water	ltr	200.00
28	Field	Cultivation	Plant protection					Labor	Man-d	0.50
28	Field	Cultivation	Herbicide application		Concentration: 0.30%	when weeds are ca. 5 cm tall		Gramoxone (Paraquat dichloride 24% SL)	ltr	0.60
28	Field	Cultivation	Herbicide application		add sticker			Water	ltr	200.00
28	Field	Cultivation	Herbicide application		prevent drift to crop plants			Labor	Man-d	0.50
28	Field	Cultivation	Irrigation	Furrow			NEED-BASED	Labor	Man-d	0.50
35	Field	Cultivation	Irrigation	Furrow			NEED-BASED	Labor	Man-d	0.50
42	Field	Cultivation	Irrigation	Furrow			NEED-BASED	Labor	Man-d	0.50
42	Field	Cultivation	Weeding				NEED-BASED	Labor	Man-d	6.00
42	Field	Cultivation	Plant protection	Fungicide	Concentration: 0.50%			Kocide (Copper hydroxide 77%)	kg	1.00
42	Field	Cultivation	Plant protection	Insecticide	Concentration: 0.20%			Carbine (Cypermethrin)	ltr	0.40
42	Field	Cultivation	Plant protection					Water	ltr	200.00
42	Field	Cultivation	Plant protection					Labor	Man-d	0.50
49	Field	Cultivation	Irrigation	Furrow			NEED-BASED	Labor	Man-d	0.50
56	Field	Harvest					NEED-BASED	Labor	Man-d	3.00
56	Field	Cultivation	Plant protection	Fungicide	Concentration: 0.20%			Rovral (Iprodione 50% WP)	kg	0.40
56	Field	Cultivation	Plant protection	Insecticide	Concentration: 0.20%			Bayrusil (Quinalphos 25% EC)	ltr	0.40
56	Field	Cultivation	Plant protection					Water	ltr	200.00
56	Field	Cultivation	Plant protection					Labor	Man-d	0.50
56	Field	Cultivation	Herbicide application		Concentration: 0.30%	when weeds are ca. 5 cm tall		Gramoxone (Paraquat dichloride 24% SL)	ltr	0.60
56	Field	Cultivation	Herbicide application		add sticker			Water	ltr	200.00
56	Field	Cultivation	Herbicide application		prevent drift to crop plants			Labor	Man-d	0.50
56	Field	Cultivation	Irrigation	Furrow			NEED-BASED	Labor	Man-d	0.50
63	Field	Harvest					NEED-BASED	Labor	Man-d	3.00
63	Field	Cultivation	Fertilization	Side dressing	14-00-00 N-P-K	after 1. harvest		Urea	kg	30.00
63	Field	Cultivation	Fertilization	Side dressing	05-14-00 N-P-K	after 1. harvest		DAP	kg	30.00
63	Field	Cultivation	Fertilization	Side dressing	00-00-15 N-P-K	after 1. harvest		MOP	kg	25.00
63	Field	Cultivation	Irrigation	Furrow			NEED-BASED	Labor	Man-d	0.50
70	Field	Harvest					NEED-BASED	Labor	Man-d	3.00
70	Field	Cultivation	Plant protection	Fungicide	Concentration: 0.50%			Kocide (Copper hydroxide 77%)	kg	1.00
70	Field	Cultivation	Plant protection	Insecticide	Concentration: 0.20%			Carbine (Cypermethrin)	ltr	0.40
70	Field	Cultivation	Plant protection					Water	ltr	200.00
70	Field	Cultivation	Plant protection					Labor	Man-d	0.50
77	Field	Harvest					NEED-BASED	Labor	Man-d	3.00
77	Field	Cultivation	Fertilization	Side dressing	14-00-00 N-P-K	after 2. harvest		Urea	kg	30.00
77	Field	Cultivation	Fertilization	Side dressing	05-14-00 N-P-K	after 2. harvest		DAP	kg	30.00
77	Field	Cultivation	Fertilization	Side dressing	00-00-15 N-P-K	after 2. harvest		MOP	kg	25.00
77	Field	Cultivation	Irrigation	Furrow			NEED-BASED	Labor	Man-d	0.50
84	Field	Harvest					NEED-BASED	Labor	Man-d	3.00
84	Field	Cultivation	Plant protection	Fungicide	Concentration: 0.20%			Rovral (Iprodione 50% WP)	kg	0.40
84	Field	Cultivation	Plant protection	Insecticide	Concentration: 0.20%			Bayrusil (Quinalphos 25% EC)	ltr	0.40
84	Field	Cultivation	Plant protection					Water	ltr	200.00
84	Field	Cultivation	Plant protection					Labor	Man-d	0.50
91	Field	Harvest					NEED-BASED	Labor	Man-d	3.00
91	Field	Cultivation	Herbicide application		Concentration: 0.30%	when weeds are ca. 5 cm tall		Gramoxone (Paraquat dichloride 24% SL)	ltr	0.60
91	Field	Cultivation	Herbicide application		add sticker			Water	ltr	200.00

91	Field	Cultivation	Herbicide application		prevent drift to crop plants			Labor	Man-d	0.50
91	Field	Cultivation	Irrigation	Furrow			NEED-BASED	Labor	Man-d	0.50
98	Field	Harvest					NEED-BASED	Labor	Man-d	3.00
98	Field	Cultivation	Irrigation	Furrow			NEED-BASED	Labor	Man-d	0.50
98	Field	Cultivation	Plant protection	Fungicide	Concentration: 0.50%			Kocide (Copper hydroxide 77%)	kg	1.00
98	Field	Cultivation	Plant protection	Insecticide	Concentration: 0.20%			Carbine (Cypermethrin)	ltr	0.40
98	Field	Cultivation	Plant protection					Water	ltr	200.00
98	Field	Cultivation	Plant protection					Labor	Man-d	0.50
105	Field	Harvest					NEED-BASED	Labor	Man-d	3.00
105	Field	Cultivation	Irrigation	Furrow			NEED-BASED	Labor	Man-d	0.50
112	Field	Harvest					NEED-BASED	Labor	Man-d	3.00
112	Field	Cultivation	Plant protection	Fungicide	Concentration: 0.20%			Rovral (Iprodione 50% WP)	kg	0.40
112	Field	Cultivation	Plant protection	Insecticide	Concentration: 0.20%			Bayrusil (Quinalphos 25% EC)	ltr	0.40
112	Field	Cultivation	Plant protection					Water	ltr	200.00
112	Field	Cultivation	Plant protection					Labor	Man-d	0.50
119	Field	Harvest					NEED-BASED	Labor	Man-d	3.00
119	Field	Cultivation	Herbicide application		Concentration: 0.30%	when weeds are ca. 5 cm tall	NEED-BASED	Gramoxone (Paraquat dichloride 24% SL)	ltr	0.60
119	Field	Cultivation	Herbicide application		add sticker		NEED-BASED	Water	ltr	200.00
119	Field	Cultivation	Herbicide application		prevent drift to crop plants		NEED-BASED	Labor	Man-d	0.50
119	Field	Cultivation	Irrigation	Furrow			NEED-BASED	Labor	Man-d	0.50
126	Field	Harvest					NEED-BASED	Labor	Man-d	3.00
126	Field	Cultivation	Irrigation	Furrow			NEED-BASED	Labor	Man-d	0.50
126	Field	Cultivation	Plant protection	Fungicide	Concentration: 0.50%			Kocide (Copper hydroxide 77%)	kg	1.00
126	Field	Cultivation	Plant protection	Insecticide	Concentration: 0.20%			Carbine (Cypermethrin)	ltr	0.40
126	Field	Cultivation	Plant protection					Water	ltr	200.00
126	Field	Cultivation	Plant protection					Labor	Man-d	0.50
133	Field	Harvest					NEED-BASED	Labor	Man-d	3.00
133	Field	Cultivation	Irrigation	Furrow			NEED-BASED	Labor	Man-d	0.50
140	Field	Harvest					NEED-BASED	Labor	Man-d	3.00
140	Field	Cultivation	Plant protection	Fungicide	Concentration: 0.20%			Rovral (Iprodione 50% WP)	kg	0.40
140	Field	Cultivation	Plant protection	Insecticide	Concentration: 0.20%			Bayrusil (Quinalphos 25% EC)	ltr	0.40
140	Field	Cultivation	Plant protection					Water	ltr	200.00
140	Field	Cultivation	Plant protection					Labor	Man-d	0.50
147	Field	Harvest					NEED-BASED	Labor	Man-d	3.00
147	Field	Cultivation	Herbicide application		Concentration: 0.30%	when weeds are ca. 5 cm tall	NEED-BASED	Gramoxone (Paraquat dichloride 24% SL)	ltr	0.60
147	Field	Cultivation	Herbicide application		add sticker		NEED-BASED	Water	ltr	200.00
147	Field	Cultivation	Herbicide application		prevent drift to crop plants		NEED-BASED	Labor	Man-d	0.50
147	Field	Cultivation	Irrigation	Furrow			NEED-BASED	Labor	Man-d	0.50
154	Field	Harvest					NEED-BASED	Labor	Man-d	3.00
154	Field	Cultivation	Irrigation	Furrow			NEED-BASED	Labor	Man-d	0.50
154	Field	Cultivation	Plant protection	Fungicide	Concentration: 0.50%			Kocide (Copper hydroxide 77%)	kg	1.00
154	Field	Cultivation	Plant protection	Insecticide	Concentration: 0.20%			Carbine (Cypermethrin)	ltr	0.40
154	Field	Cultivation	Plant protection					Water	ltr	200.00
154	Field	Cultivation	Plant protection					Labor	Man-d	0.50
161	Field	Harvest					NEED-BASED	Labor	Man-d	3.00
161	Field	Cultivation	Irrigation	Furrow			NEED-BASED	Labor	Man-d	0.50
168	Field	Harvest					NEED-BASED	Labor	Man-d	3.00
168	Field	Cultivation	Plant protection	Fungicide	Concentration: 0.20%			Rovral (Iprodione 50% WP)	kg	0.40
168	Field	Cultivation	Plant protection	Insecticide	Concentration: 0.20%			Bayrusil (Quinalphos 25% EC)	ltr	0.40
168	Field	Cultivation	Plant protection					Water	ltr	200.00
168	Field	Cultivation	Plant protection					Labor	Man-d	0.50
175	Field	Harvest					NEED-BASED	Labor	Man-d	3.00
175	Field	Cultivation	Irrigation	Furrow			NEED-BASED	Labor	Man-d	0.50
182	Field	Harvest					NEED-BASED	Labor	Man-d	3.00
182	Field	Cultivation	Irrigation	Furrow			NEED-BASED	Labor	Man-d	0.50
182	Field	Cultivation	Plant protection	Fungicide	Concentration: 0.50%			Kocide (Copper hydroxide 77%)	kg	1.00
182	Field	Cultivation	Plant protection	Insecticide	Concentration: 0.20%			Carbine (Cypermethrin)	ltr	0.40
182	Field	Cultivation	Plant protection					Water	ltr	200.00
182	Field	Cultivation	Plant protection					Labor	Man-d	0.50
189	Field	Harvest					NEED-BASED	Labor	Man-d	3.00
189	Field	Cultivation	Irrigation	Furrow			NEED-BASED	Labor	Man-d	0.50
196	Field	Harvest					NEED-BASED	Labor	Man-d	3.00
196	Field	Cultivation	Irrigation	Furrow			NEED-BASED	Labor	Man-d	0.50
203	Field	Harvest					NEED-BASED	Labor	Man-d	3.00
210	Field	Harvest					NEED-BASED	Labor	Man-d	3.00