DAS	Location (	Operation1	Operation2	Operation3	Description1	Description2	Description3	Input	Unit	Units/acre
		Field preparation		Flood	ONLY for newly acclaimed land		NEED-BASED	Labor	Man-d	0.50
-10		Field preparation	Deep-chiseling		ONLY for newly acclaimed land	EITHER deep-chiseling or ploughing	NEED-BASED	Tractor with chisel	Tractor-op.	1.00
-10		Field preparation	Ploughing		ONLY for newly acclaimed land	EITHER deep-chiseling or ploughing	NEED-BASED	Tractor with plough	Tractor-op.	1.00
		Field preparation		Manure application			ONLY ONCE PER YEAR	Vermicompost	mt	1.20
		Field preparation		Basal fertilizer	18-46-00 N-P-K			DAP	kg	100.00
		Field preparation	Fertilization	Basal fertilizer	00-00-50 N-P-K			SOP (potassium sulphate)	kg	100.00
	Field F	Field preparation	Fertilization	Basal fertilizer				Zn-Sulphate	kg	20.00
		Field preparation	Fertilization		Mix and apply evenly to surface			Labor	Man-d	1.00
		Field preparation	Harrowing					Tractor with harrow	Tractor-op.	1.00
-3		Field preparation	Planking					Tractor with planker	Tractor-op.	1.00
-3	Field E	Bed preparation	Bed making	90-cm bed & 45-cm furrow				Tractor with bedmaker	Tractor-op.	1.00
		Bed preparation	Trellis construction		2 sticks/bed, 2.5-m distance within rows	1 horizontal stick across furrows at 2.5-m distance		2.5-m bamboo stick	#	3600.00
		Bed preparation	Trellis construction					GI wire	kg	170.00
		Bed preparation	Trellis construction		1 2.5-m-long string per plant fixed to GI-wire	2 strings around trellisses at bottom and 1-m height		Jute string	mtr	36000.00
		Bed preparation	Trellis construction					Labor	Man-d	20.00
		Bed preparation	Irrigation	Furrow				Labor	Man-d	0.50
		Sowing						Seed	kg	1.00
		Sowing	90-cm bed & 45-cm furrow	1 row/bed	45-cm interplant distance	on one edge of beds	6,700 plants/A	Labor	Man-d	1.00
		Cultivation	Irrigation	Furrow				Labor	Man-d	0.50
		Cultivation	Irrigation	Furrow				Labor	Man-d	0.50
		Cultivation	Plant protection	Insecticide	Concentration: 0.08%	against Red Pumpkin Beetle, after germination		Karate (Lambda Cyhalothrin 5% EC)	ltr	0.16
	Field (	Cultivation	Plant protection	Fungicide	Concentration: 0.20%	against Downy Mildew		Abic M-45 (Mancozeb)	kg	0.40
		Cultivation	Plant protection	Fungicide	Concentration: 0.20%	against Powdery Mildew; apply in the evening		Thiovit 80% WP (Sulphur)	kg ltr	0.40
		Cultivation	Plant protection	ļ!				Water		
		Cultivation	Plant protection	-				Labor	Man-d	0.50
		Cultivation	Irrigation	Furrow			NEED-BASED	Labor	Man-d	0.50
		Cultivation Cultivation	Weeding Plant protection	Fungicide	Concentration: 0.20%	against Downy Mildew	NEED-BASED	Labor Abic M-45 (Mancozeb)	Man-d	6.00
		Cultivation	Plant protection Plant protection	Fungicide	Concentration: 0.20%			Thiovit 80% WP (Sulphur)	kg kg	0.40
		Cultivation	Plant protection	Fungicide	Concentration. 0.20%	against Powdery Mildew; apply in the evening		Water	Kg	200.00
		Cultivation	Plant protection	l				Labor	Man-d	0.50
		Cultivation		Furrow			NEED-BASED	Labor	Man-d	0.50
		Cultivation	ě	Side dressing	09-00-00 N-P-K		NEED BROED	Urea		20.00
		Cultivation		Basal fertilizer	00-00-10 N-P-K			SOP (potassium sulphate)	kg	20.00
		Cultivation	Irrigation	Furrow	00-00-10 10-1 -10		NEED-BASED	Labor	kg Man-d	0.50
28		Cultivation	Weeding	i unow			NEED-BASED	Labor	Man-d	6.00
		Cultivation	Plant protection	Insecticide	Concentration: 0.20%		NEED-BASED	Rogor 30% EC (Dimethoate)	ltr	0.40
28		Cultivation	Plant protection				NEED-BASED	Water	ltr	200.00
28		Cultivation	Plant protection				NEED-BASED	Labor	Man-d	0.50
		Cultivation	Irrigation	Furrow			NEED-BASED	Labor	Man-d	0.50
		Cultivation	Plant protection	Fungicide	Concentration: 0.20%	against Downy Mildew		Abic M-45 (Mancozeb)	kg	0.40
	Field (	Cultivation	Plant protection	Fungicide	Concentration: 0.20%	against Powdery Mildew; apply in the evening		Thiovit 80% WP (Sulphur)	kg	0.40
38	Field (	Cultivation	Plant protection					Water	ltr	200.00
38	Field 0	Cultivation	Plant protection					Labor	Man-d	0.50
	Field H	Harvest		1			NEED-BASED	Labor	Man-d	3.00
		Cultivation	Irrigation	Furrow			NEED-BASED	Labor	Man-d	0.50
	Field 0	Cultivation	Weeding				NEED-BASED	Labor	Man-d	6.00
		Cultivation	Plant protection	Insecticide	Concentration: 0.20%		NEED-BASED	Rogor 30% EC (Dimethoate)	ltr	0.40
45		Cultivation	Plant protection	ļ!			NEED-BASED	Water	ltr	200.00
		Cultivation	Plant protection	<u> </u>			NEED-BASED	Labor	Man-d	0.50
		Harvest		l <u>e</u> !			NEED-BASED	Labor	Man-d	3.00
		Cultivation	Plant protection	Fungicide	Concentration: 0.20%	against Downy Mildew		Abic M-45 (Mancozeb)	kg	0.40
	Field (	Cultivation Cultivation	Plant protection	Fungicide	Concentration: 0.20%	against Powdery Mildew; apply in the evening		Thiovit 80% WP (Sulphur) Water	kg Itr	0.40
50		Cultivation	Plant protection	<u> </u>				Labor	ltr Man-d	200.00
			Plant protection				NEED-BASED			
		Harvest	Fortilization	Sido droccing	09-00-00 N-P-K		INEED-BASED	Labor	Man-d	3.00
		Cultivation Cultivation	Fertilization Fertilization	Side dressing Basal fertilizer	09-00-00 N-P-K 00-00-10 N-P-K			Urea SOP (potassium sulphate)	kg kg	20.00
55 55	Field (	Cultivation	Fertilization	Dasal leitilizei				Labor	kg Man-d	20.00
55		Cultivation		Furrow			NEED-BASED	Labor	Man-d Man-d	0.50
		Harvest	mgallon				NEED-BASED	Labor	Man-d	3.00
		Cultivation	Weeding	l			NEED-BASED	Labor	Man-d Man-d	6.00
60	Field (	Cultivation	Plant protection	Insecticide	Concentration: 0.20%		NEED-BASED	Rogor 30% EC (Dimethoate)	ltr	0.40
		Cultivation	Plant protection		001001101011 012070		NEED-BASED	Water	ltr	200.00
60		Cultivation	Plant protection	I			NEED-BASED	Labor	Man-d	0.50
		Harvest					NEED-BASED	Labor	Man-d	3.00
		Cultivation	Irrigation	Furrow			NEED-BASED	Labor	Man-d	0.50
65		Cultivation	Plant protection	Fungicide	Concentration: 0.50%	against Downy Mildew; apply in the evening		Kocide (Copper hydroxide)	kg	1.00
05		Cultivation	Plant protection	Fungicide	Concentration: 0.20%	against Powdery Mildew; apply in the evening		Thiovit 80% WP (Sulphur)	kg	0.40
65		Cultivation	Plant protection					Water	ltr	200.00
	riela I(						1			
65		Cultivation	Plant protection	1				Labor	Man-d	0.50

75 Field	Harvest					NEED-BASED	Labor	Man-d	3.00
75 Field	Cultivation	Fertilization	Side dressing	09-00-00 N-P-K			Urea	ka	20.00
75 Field	Cultivation	Fertilization	Basal fertilizer	00-00-10 N-P-K			SOP (potassium sulphate)	ka	20.00
75 Field	Cultivation	Fertilization		Mix and apply evenly to surface			Labor	Man-d	1.00
75 Field	Cultivation	Irrigation	Furrow			NEED-BASED	Labor	Man-d	0.50
	Cultivation	Weeding				NEED-BASED	Labor	Man-d	6.00
75 Field	Cultivation	Plant protection	Insecticide	Concentration: 0.20%		NEED-BASED	Rogor 30% EC (Dimethoate)	ltr	0.40
75 Field	Cultivation	Plant protection				NEED-BASED	Water	ltr	200.00
75 Field	Cultivation	Plant protection				NEED-BASED	Labor	Man-d	0.50
80 Field	Harvest					NEED-BASED	Labor	Man-d	3.00
80 Field	Cultivation	Plant protection	Fungicide	Concentration: 0.50%	against Downy Mildew; apply in the evening		Kocide (Copper hydroxide)	ka	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
85 Field	Harvest					NEED-BASED	Labor	Man-d	3.00
85 Field	Cultivation	Irrigation	Furrow			NEED-BASED	Labor	Man-d	0.50
90 Field	Harvest					NEED-BASED	Labor	Man-d	3.00
90 Field	Cultivation	Plant protection	Fungicide	Concentration: 0.50%	against Downy Mildew; apply in the evening		Kocide (Copper hydroxide)	kg	1.00
90 Field	Cultivation	Plant protection	Fungicide	Concentration: 0.20%	against Powdery Mildew; apply in the evening		Thiovit 80% WP (Sulphur)	kg	0.40
90 Field	Cultivation	Plant protection	~				Water	ltr	200.00
90 Field	Cultivation	Plant protection					Labor	Man-d	0.50
95 Field	Harvest					NEED-BASED	Labor	Man-d	3.00
95 Field	Cultivation	Fertilization	Side dressing	09-00-00 N-P-K			Urea	kg	20.00
95 Field	Cultivation	Fertilization	Basal fertilizer	00-00-10 N-P-K			SOP (potassium sulphate)	kg	20.00
	Cultivation	Fertilization		Mix and apply evenly to surface			Labor	Man-d	1.00
95 Field	Cultivation	Irrigation	Furrow			NEED-BASED	Labor	Man-d	0.50
	Harvest					NEED-BASED	Labor	Man-d	3.00
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
	Cultivation	Plant protection					Labor	Man-d	0.50
	Harvest					NEED-BASED	Labor	Man-d	3.00
105 Field	Cultivation	Irrigation	Furrow			NEED-BASED	Labor	Man-d	0.50
110 Field	Harvest					NEED-BASED	Labor	Man-d	3.00
115 Field	Harvest					NEED-BASED	Labor	Man-d	3.00
115 Field	Cultivation	Irrigation	Furrow			NEED-BASED	Labor	Man-d	0.50
120 Field	Harvest					NEED-BASED	Labor	Man-d	3.00
120 Field	Harvest	Residue removal					Labor	Man-d	4.00