

**MPS  
ECAS**



# Certificate

MPS-ECAS awards this certificate in accordance with the certification scheme MPS-ABC version 15, to:

**Bondeni Flowers Ltd  
Mbosho Farm 0  
Hai, Kilimanjaro  
Tanzania  
MPS-number: 910529**

Applicable to environmental clusters:

ARBORICULTURE ; SUMMER/CUTFLOWERS; BULB FLOWERS; SHRUBS FOR FORCING ; ARABLE FARMING

Validity: **18-10-2021 valid up to and including 7-11-2021**

Total points: **92,9**

Qualification: **A+**

Kind regards,  
MPS-ECAS

Signature:

Ing. C. Maas

Date of issue:  
18-10-2021

*N.B.: This certificate is only valid for the period specified above.*

P.O. Box 114  
2678 ZJ De Lier  
The Netherlands



# QUALIFICATION AND PERIOD GRAPHS

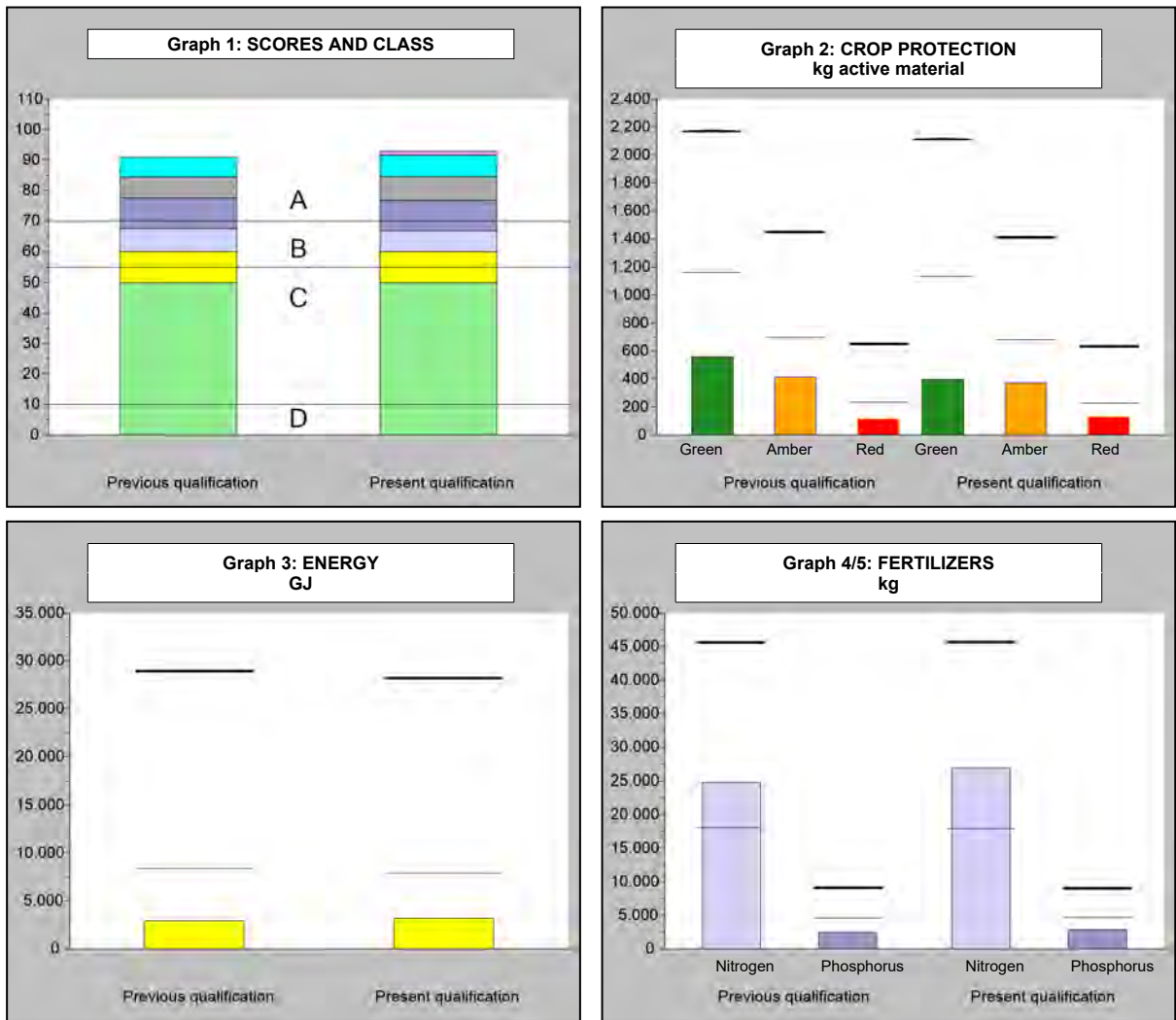
MPS company number: **910529/01**  
 Company name: **Bondeni Flowers Ltd (total)**

Valid: Period 8-2020 until Period 7-2021  
 Version: 18-10-2021

**Table 1: DATA QUALIFICATIONS**

SUBJECT		Uw Company standard		Uw use	Uw points	max. points	A+ standard	A+ score	Obtained
		Lower	Upper limit						
Crop protection	Green	1135,7-2114,4 kg		398,2	15	15			
	Amber	681,4-1409,6 kg		375,8	20	20			
	Red	227,1-634,3 kg		131,7	15	15			
total					50	50	85 %	100 %	yes
Energy total		7900,4-28194 GJ		3185,9	10	10	75 %	100 %	yes
Fertilizers	Nitrogen	17918,2-45662,8 kg		26882,8	6,8	10			
	Phosphorus	4682,8-9018,7 kg		2872,1	10	10			
total					16,8	20	75 %	83,8 %	yes
Waste		0-130		102	7,8	10			
Water		0-130		90	6,9	10			
Certified parental material					1,3	10			
Total score (points)					92,9	110	90	92,9	yes
COMPANY QUALIFICATION					A+				

**COMPANY USAGE PER 13 PERIODS**  
 <-----> = Upper limit <.....> = Lower limit

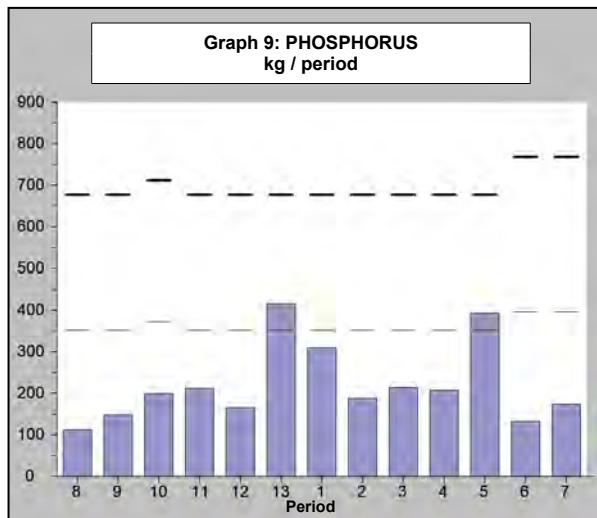
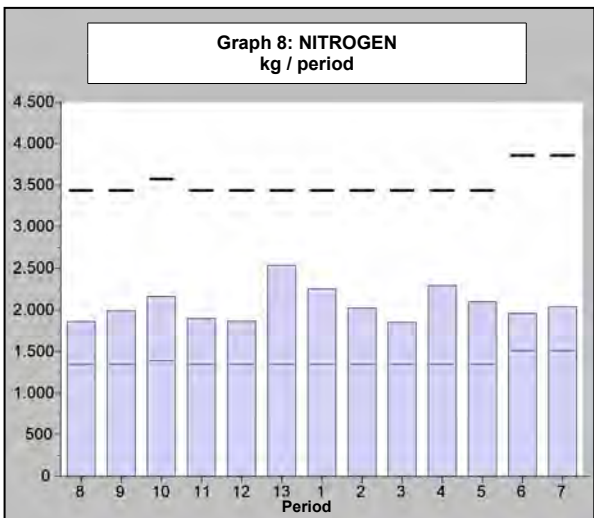
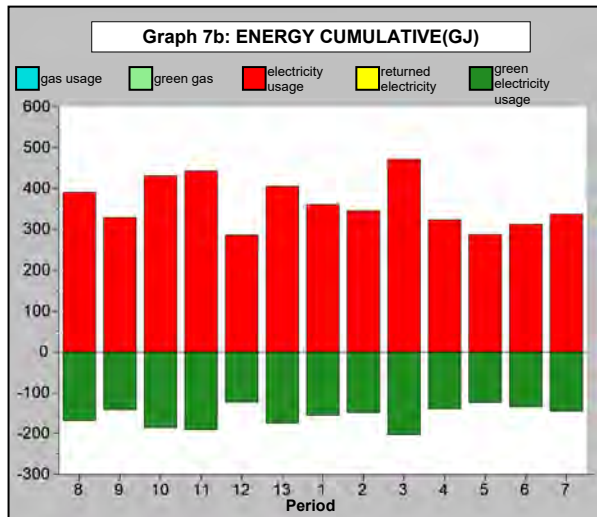
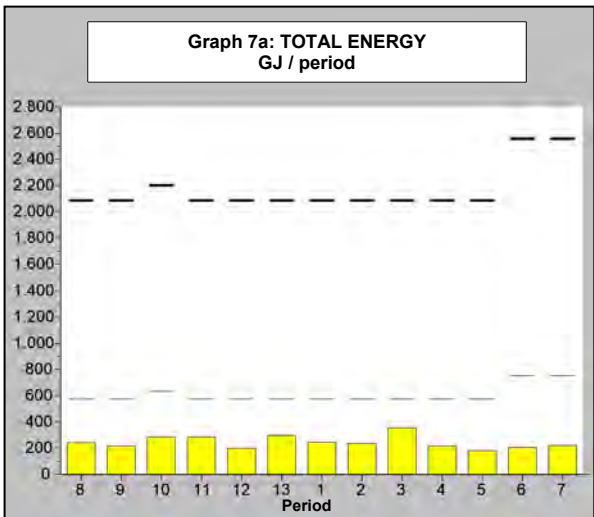
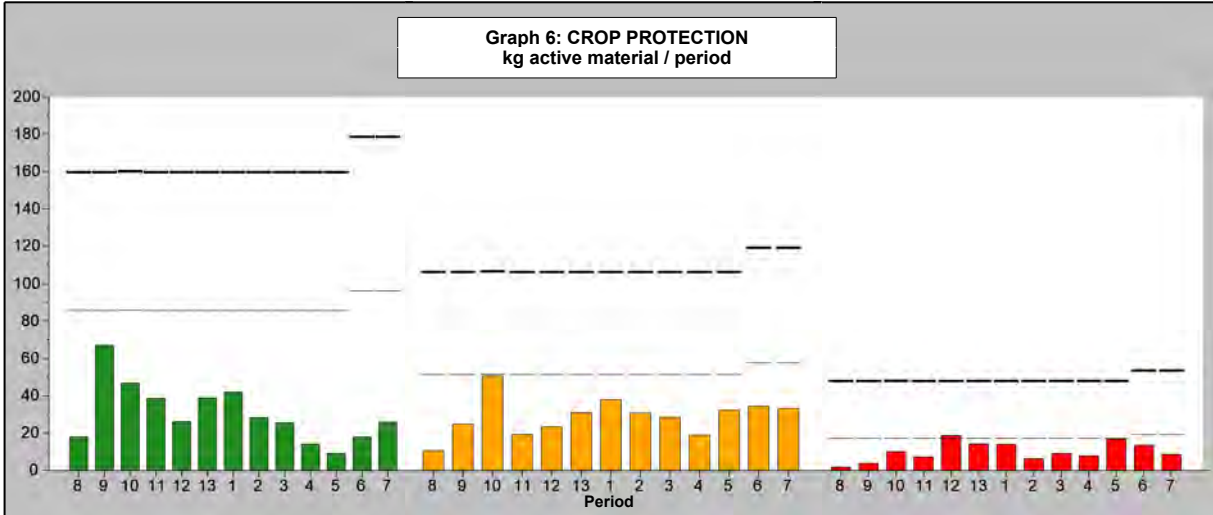


# QUALIFICATION AND PERIOD GRAPHS

MPS company number: **910529/01**  
 Company name: Bondeni Flowers Ltd (total)

Valid: Period 8-2020 until Period 7-2021  
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<-----> = Upperlimit <-----> = Lowerlimit



# MPS-Overview Composition of Qualification

MPS company number: **910529/01**  
 Company name: Bondeni Flowers Ltd (total)

Valid: Period 8-2020 until Period 7-2021  
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## Composition of points MPS environmentally certified parental material

Certified parental material	(Average) area	Your Points	Max points
Total cultivated area 1)	517263,8 m2		
Area certified parental material MPS-ABC	68707,7 m2	1,3	10
Area certified parental material GLOBALGAP	0 m2	0	5
Total points for Certified parental material		1,3	10

1) Total means: the total area covered and uncovered cultivation and the second crop layer. Not included is the uncultivated area.

## Company usage of MPS-MIND

Pesticide	Indicator color	active ingredient	Annual company use of active substance		
			Green	Amber	Red
Actara 25 WG	●	thiamethoxam			6,877
	●	thiamethoxam		0,105	
Addit	○	vegetable oil			
Aliette 80 WP	●	fosetyl-aluminium	91,494		
Amistar 250 SC	●	azoxystrobin		40,805	
Ampligo 150 ZC	●	chlorantraniliprole		1,268	
	●	lambda-cyhalothrin		0,634	
Ariane	●	clopyralid			0,003
	●	clopyralid		0,013	
	●	fluroxypyr		0,010	
	●	fluroxypyr	0,049		
	●	mcpa			0,048
	●	mcpa		0,234	
Artea 330 EC	●	cyproconazole			2,659
	●	propiconazole		8,309	
B-9	●	daminozide	1,224		
Banko 720 SC	●	chlorothalonil	0,216		
Belt 480 SC	●	flubendiamide	4,493		
Bestacron 720 EC	●	profenofos		7,877	
Buctril MC	●	bromoxynil		0,518	
	●	mcpa		0,518	
Caramba Turbo	●	mepiquat chloride	1,411		
	●	metaconazole		0,202	
Chrysal AVB	○	silver thiosulfate			
Chrysal Inicial	○	aluminium sulphate			
	○	sodium dichloroisocyanurate			
Chrysal RVB Clear	○	pretreatment			
Condifor 200	●	imidacloprid			9,966
Confidor 20 SL	●	imidacloprid			5,028
Configure	●	6-benzylaminopurine	0,000		
Coragen 20 SC	●	chlorantraniliprole		0,197	
Cuprocaffaro 500 WP	●	copper oxychloride		74,230	
Cutter 112 EC	●	acetamiprid	0,077		
	●	emamectin benzoate		0,058	
Daconil (500)	●	chlorothalonil	40,350		
Daconil 75 WP	●	chlorothalonil	13,200		
Decis 25 EC	●	deltamethrin		1,694	
Dragnet FT Termiticide	●	permethrin			0,380
Dual Gold 960 EC	●	s-metolachlor	21,107		
Dudu-All 450 EC	●	chlorpyrifos			33,422
	●	cypermethrin			9,549
Duduba 450 EC	●	chlorpyrifos			3,413

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## Company usage of MPS-MIND

Pesticide	Indicator color	active ingredient	Annual company use of active substance		
			Green	Amber	Red
	●	cypermethrin			0,975
Dursban 4 EC	●	chlorpyrifos			0,432
Dynamec 1.8 EC	●	abamectin		3,935	
Efentezine 500 SC	●	clofentezin		0,440	
Efenthiuron 500 SC	●	diafenthiurion		1,540	
Elcazim 50 SC	●	carbendazim		11,188	
Emethanil 400 SC	●	pyrimethanil		6,636	
Eprodane 500 SC	●	iprodione			9,200
Ethrel A	●	ethephon	0,002		
Farmerzeb 80 WP	●	mancozeb	107,369		
Folicur 250 EC	●	tebuconazole		4,483	
Fungaran	●	copper ii hydroxide		12,838	
Fusilade Forte	●	fluazifop-p-butyl		3,427	
Ivory 80 WP	●	mancozeb	6,502		
Kalach 480 SL	●	glyphosate		1,104	
Karate 5 CS	●	lambda-cyhalothrin			2,471
	●	lambda-cyhalothrin		1,633	
Leaf Shine & Seal (Chrysal)	○	leaf shine			
Match 50 EC	●	lufenuron			2,383
Mupacron 500 EC	●	profenofos		0,500	
Mycotal	○	verticillium lecanii / lecanicillium s			
Nativo SC 300	●	tebuconazole		2,228	
	●	trifloxistrobin	1,114		
Nimbecidine	●	azadirachtin	0,037		
NoPath EW	○	vegetable oil			
Nu-film	○	di-1-p-menthene			
Ortiva	●	azoxystrobin		3,511	
Pearl 500 SC	●	carbendazim		32,645	
Probenzoate 1.0 EC	●	emamectin benzoate		0,000	
Procyclam WP	●	thiocyclam hydrogen oxalate	11,035		
Profecron 720 EC	●	profenofos		11,880	
Prove 1.9 EC	●	emamectin benzoate		0,001	
Revus Top 250 SC	●	mandipropamid	10,145		
Rhizopon AA Poeder 1%	●	indolybutyric acid	0,061		
Ridomil Gold MZ 68 WG	●	mancozeb	3,686		
	●	metalaxyl-m		0,230	
Ridomil Mz 63.5 WP	●	mancozeb	7,000		
	●	metalaxyl			0,938
Rizolex 50 WP	●	tolclofos-methyl		9,210	
Ronstar	●	oxadiazon			0,069
Rootex Rooting Powder 0.6%	●	indolybutyric acid	0,006		
Rugby 100 ME	●	cadusafos			0,080
Score 250 EC	●	difenoconazole			14,580
Selectron 720 EC	●	profenofos		0,072	
Servian 75 WG	●	halosulfuron	2,003		
Snowcron 500 EC	●	profenofos		30,263	
Snowmectin 1.6 EC	●	emamectin benzoate		0,581	
Snowstorm 48 EC	●	chlorpyrifos			17,908
Sporekill	●	didecyldimethylammonium chlori	1,880		
Sulgran 80 WDG	○	sulfur/sulphur			
Sulorian 750 WG	●	halosulfuron	0,375		
Supreme 325 SC	●	azoxystrobin		0,064	
	●	difenoconazole			0,040
Terror 50 SC	●	thiophanate-methyl	35,627		

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## Company usage of MPS-MIND

Pesticide	Indicator color	active ingredient	Annual company use of active substance		
			Green	Amber	Red
Thunder OD145	●	beta-cyfluthrin		0,802	
Thunder OD145	●	imidacloprid			1,781
Tihan OD 175 Oil Dispersion	●	flubendiamide	1,800		
	●	spirotetramat	1,350		
Tivag	●	gibberelline zuur a3			
Topneem Ultra Super 1% EC	●	azadirachtin	0,200		
Touchdown Forte 500 SL	●	glyphosate		44,645	
Tracer 480 SC	●	spinosad	13,752		
Trimectin 5 WDG	●	emamectin benzoate		2,874	
Triumph 692 EC	●	acetamiprid	0,368		
	●	lambda-cyhalothrin		0,689	
	●	profenofos		6,893	
Twigaphos 48 EC	●	chlorpyrifos			5,664
Velum Prime SC 500	●	fluopyram	20,254		
Volsate	●	glyphosate		25,004	
Vuna Onion 240 EC	●	oxyfluorfen			0,116
Zetabestox 10% EC	●	zeta-cypermethrin			3,700
<b>Annual company use of active substance</b>			<b>398,187</b>	<b>355,984</b>	<b>131,680</b>

# OVERVIEW RECORDED DATA

MPS company number: **910529/01**  
 Company name: **Bondeni Flowers Ltd (total)**

Valid: **Period 8-2020 until Period 7-2021**  
 Version: **18-10-2021**

Code	Description	Unit	Period 1	Period 2	Period 3	Period 4	Period 5	Period 6	Period 7	Subtotal	Year total
<b>CROP PROTECTION AGENTS</b>											
3250	Actara 25 WG	grams	2733	2334	2228	1655	1842	378	2298	13468	27926
4016	Addit	ml						11	45	56	56
3085	Aliette 80 WP	grams	15000	5000	5950			4700		30650	114368
4011	Amistar 250 SC	ml	8970	14150	10570	11240	16750	18130	19960	99770	163220
4133	Ampligo 150 ZC	ml	1290	860	450	970	542	707	550	5369	12676
4035	Ariane	ml									679,769
4092	Artea 330 EC	ml		2400	1200	1500	5175	4937	2175	17387	33236
3664	B-9	grams									1440
3657	Banko 720 SC	ml		300						300	300
3687	Belt 480 SC	ml	360	1080	720	720	720	720	720	5040	9360
4121	Bestacron 720 EC	ml	4560	130	6250					10940	10940
4006	Buctril MC	ml				125	97			222	2302
4153	Caramba Turbo	ml	280	280	840	700	1120	1120	1120	5460	6720
3623	Chrysal AVB	ml	1000	2000	1000	1000	1000	1000	1000	7000	23000
4119	Chrysal Inicial	grams	23200	22400	21900	22400	20000	21600	21600	153100	305500
4118	Chrysal RVB Clear	ml	50000	90000	70000	40000	30000	40000	30000	350000	600000
3196	Condifor 200	ml	5850	3230	3060	6300	4500	5690	5600	34230	49830
3327	Confidor 20 SL	ml	1470							1470	25140
4162	Configure	ml				3				3	3
3685	Coragen 20 SC	ml	80							80	983
4135	Cuprocaffaro 500 WP	grams	25950	4450	13000	2510		5200	6400	57510	148460
4108	Cutter 112 EC	ml									1200
3443	Daconil (500)	ml		3000				800	22000	25800	80700
3037	Daconil 75 WP	grams	6350		6000	4000	1250			17600	17600
3008	Decis 25 EC	ml	2950	2740	4030	3550	6600	9305	13980	43155	67764
4137	Dragnet FT Termiticide	ml									1000
4146	Dual Gold 960 EC	ml	1330						477	1807	21986
4106	Dudu-All 450 EC	ml	9000	6480	12250		11995	12607	6413	58745	95491
4188	Duduba 450 EC	ml				4560	5180	10		9750	9750
3011	Dursban 4 EC	ml									900
3069	Dynamec 1.8 EC	ml	17790	18980	18130	12635	15158	19244	12749	114686	218593
3683	Efentezine 500 SC	ml		880						880	880
4164	Efenthiron 500 SC	ml	1630	200	1250					3080	3080
4068	Elcazim 50 SC	ml		1200				5	6600	7805	22375
4134	Emethanil 400 SC	ml	5100		2880	4050	2400			14430	16590
4112	Eprodane 500 SC	ml		900	1200	2700	2550		1250	8600	18400
4163	Ethrel A	ml				2	2	2		6	5
4044	Farmerzeb 80 WP	grams	14600	11620	9990	8170	4110	7260	8960	64710	134211
3182	Folicur 250 EC	ml	1750	2140	540	1900	1100	700	980	9110	17930

# OVERVIEW RECORDED DATA (Continued)

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Code	Description	Unit	Period 1	Period 2	Period 3	Period 4	Period 5	Period 6	Period 7	Subtotal	Year total
<b>CROP PROTECTION AGENTS (Continued)</b>											
3098	Fungaran	grams				435	6750	7020	6600	20805	25675
4110	Fusilade Forte	ml	3000	1000	2250	1500		3700	2700	14150	22848
4166	Isopropyl Alcohol LR (IPA) / 2-Propanol LR 99%	ml	2500	2500	2500		5000	7500		20000	20000
3650	Ivory 80 WP	grams	360	730	20	150	150	180	577	2167	8128
4065	Kalach 480 SL	ml		300						300	2300
3024	Karate 5 CS	ml	6690	4380	7000	6540	9330	6330	7725	47995	82075
4116	Leaf Shine & Seal (Chrysal)	ml	1320	6260	1160	1880	1500	2300	1620	16040	20010
3260	Match 50 EC	ml	5380	3100	4550	1950	5145	4660	3500	28285	47655
4187	Mupacron 500 EC	ml				180	180	640		1000	1000
4196	Mycotal	grams						21	90	111	111
4029	Nativo SC 300	ml	1300	790	1100	400	570	1060	980	6200	11140
3398	Nimbecidine	ml			14170	26670	26579	28030	28035	123484	123484
4107	NoPath EW	ml	19180	31260	9810	8100	34552	17753	25866	146521	281030
3262	Nu-film	ml	620	830				665	860	2975	7470
3246	Ortiva	ml		40						40	10030
3544	Pearl 500 SC	ml	10950	14090	1900	4970	300	11100	13010	56320	65290
4080	Probenzoate 1.0 EC	ml						5		5	5
4154	Procyclam WP	grams		80	2980	3250	1750	5100	7300	20460	22070
4189	Profecron 720 EC	ml				6000	10500			16500	16500
3686	Prove 1.9 EC	ml							50	50	50
4095	Revus Top 250 SC	ml	3750	3850	3750	3750	3455	1875	3750	24180	40580
4130	Rhizopon AA Poeder 1%	grams	500	500	1000	500	500	500		3500	6071
3264	Ridomil Gold MZ 68 WG	grams		2900						2900	5759
3116	Ridomil Mz 63.5 WP	grams	2500		2000		500		500	5500	12500
3381	Rizolex 50 WP	grams	200	210	100	300	4200			5010	18420
3053	Ronstar	grams							275	275	275
4140	Rootex Rooting Powder 0.6%	grams					1000			1000	1000
4132	Rugby 100 ME	ml									800
3123	Score 250 EC	ml	4880	500	1540	7850	7910	16115	4960	43755	58320
3394	Selectron 720 EC	ml	100							100	100
4111	Servian 75 WG	grams	190	560	370			261	87	1468	2670
4149	Snowcron 500 EC	ml	6000	7030	4850			7695	5825	31400	60525
4185	Snowmectin 1.6 EC	ml		8100	10994	2150	7575	6815	700	36334	36334
4128	Snowstorm 48 EC	ml	420	710	930		6495	2930	2600	14085	37308
3224	Sporekill	ml			2400	1500	625	110	640	5275	15667
4097	Sulgran 80 WDG	grams		30	30		40			100	100
4190	Sulorian 750 WG	grams						500		500	500
4148	Supreme 325 SC	ml									320



# OVERVIEW RECORDED DATA (Continued)

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<b>CROP PROTECTION AGENTS (Continued)</b>											
4037	Terror 50 SC	ml	9000	10810				1200		21010	71253
3646	Thunder OD145	ml	710	1040						1750	17813
4139	Tihan OD 175 Oil Dispersion	ml	1500	1500	750	750	2250	1500	1500	9750	18000
3234	Tivag	ml									7046
4085	Topneem Ultra Super 1% EC	ml	280	2430	1990	2410	3230	7280	1875	19495	19975
3662	Touchdown Forte 500 SL	ml	5600	6650	5600				12250	30100	89290
3251	Tracer 480 SC	ml	2950	2400	1800	1500	2342	2487	1500	14979	28649
4147	Trimectin 5 WDG	grams	2570	240						2810	57480
4129	Triumph 692 EC	ml	920	370						1290	11488
4165	Twigaphos 48 EC	ml	11200	500				100		11800	11800
4109	Velum Prime SC 500	ml	5700	3910	5030	698	740	2560		18638	40507
4138	Volsate	ml		12600	6830	11450	17250	9525	1950	59605	69455
4150	Vuna Bean 500 WDG	grams				1	1			2	2
4152	Vuna Onion 240 EC	ml		150		25	308			483	483
4151	Vuna Rice 100 SC	ml				6	5			11	11
4131	Zetabestox 10% EC	ml	3000	3000	3000	3000	3000	3000	3000	21000	37000
<b>ENERGY</b>											
4	Electricity usage (Total)	kWh	40072	38307	52392	35933	31863	34653	37413	270633	524590
54	Diesel oil/fuel	litres	1090	1145	2454	858	520	780	810	7657	13936
6	Green Electricity Usage	kWh	17230	16471	22529	15451	13701	14901	16088	116371	225570
<b>FERTILIZERS</b>											
822	Agri Gypsum Calcium Sulphate	kg	2493,58	5209,25	6731,3	3840	6321,75	7458	3227	35280,88	51246,13
718	Agrocultural Lime	kg	6192,24	7512,5	8029	1168,4	2033	1799,6	1529,7	28264,44	64938,44
742	Ammonium Sulphate (21.1% N - 24% SO3)	kg									66,41
518	Borax	kg	65,11	78,9	55,35	56,4	59,2	61	47,78	423,74	804,106
825	Boric Acid 99.5-100.5%	kg	3,033	3,42	3,914	3,494	2,894	3,036	3,338	23,129	43,275
842	Boron 15	litres	3	18,4	9,2	8,2	16,8	4	7	66,6	66,6
543	Calcium ammonium nitrate	kg	303,87	305,3	279,2	236,4	312	330	172	1938,77	3238,62
831	Calcium Magnesium Carbonate (Dolomite Lime)	kg	5660,5	4143,63	6206,5	3652,5	745	1953	1198,7	23559,83	40847,83
545	Calcium nitrate (nitrate of Lime)	kg	8522,08	8080,88	7476,73	10787,36	9552,4	8899,6	9353,15	62672,2	108386,716
552	Copper sulphate	kg		0,03	14,51	0,01	0,122	0,131	0,243	15,046	45,046
787	Coptrel 500	litres									1,154
809	DAP 18+46+0	kg							170	170	170
845	FertiFlow 19+19+19 (+1MgO)+TE	kg	226,02			166,8	252	81,72	88,61	815,15	815,15

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Code	Description	Unit	Period 1	Period 2	Period 3	Period 4	Period 5	Period 6	Period 7	Subtotal	Year total
829	Field-Cote CRF 17+12+11(+3MgO)+TE	kg									17
849	Granubor Natur	kg						9		9	9
824	Granusol WSF Green 17+10+17(+12)+TE	litres									0,88
830	Grow-Cal 10+0+0	litres	29,25	18,1						47,35	231,16
509	Hampiron	kg									0,04
516	Magnesium sulphate	kg	1124,02	1420,04	1765,88	1164,97	1428,92	1188,75	1327,79	9420,37	19116,257
575	Manganese sulphate	kg					0,24		0,44	0,68	0,68
784	Minjingu rock phosphate fertilizer	kg									39,9
580	Mono-ammonium phosphate (MAP) 12+61.7+0	kg	313,68	401,03	379,84	347,78	390,27	279,65	289,85	2402,1	4304,149
581	Mono-potassium phosphate (MKP) 0+52.29+33.98	kg	29,3	21,3	26	13,9	17,8	15,7	18,8	142,8	223,97
629	NPK 17+17+17	kg		172,4	433,8	424,6	448,9	463,5	477,8	2421	4922,791
638	NPK 24+12+12	kg	390							390	390
846	Omya Calciprill 110	kg	1,1							1,1	1,1
827	Poly-Feed 18+9+27(+2MgO)	kg									876
798	Poly-Feed 19+19+19	kg	631,36	324,76	474,15	88,27	45,17	47,81	48,04	1659,56	3298,421
537	Potassium nitrate 13+0+45	kg	4240,27	3766,44	3100,26	3080,05	2764,35	2702,25	2814,7	22468,32	49742,115
539	Potassium sulphate	kg	1249,62	1625,99	1107,53	941,62	1475,14	1250,44	1430,91	9081,25	17500,622
729	Sequestrene 6% Fe	kg									0,462
841	Sulotaste Fort NPK 19+19+19	kg		273,98						273,98	273,98
514	Sulphate of ammonia (ammoniumsulphate)	kg	10,1					10,5		20,6	39,6
808	Tracel BZ 5+7.5+5	kg		0,1						0,1	0,331
601	Tri-superphosphate	kg	650,3	65,55	175,7	298,71	1153,4	42	52,5	2438,16	4279,293
603	Urea 46%	kg	3,9	22,1	17,6	1,6		13	22	80,2	133,2
800	Wuxal Macromix 24+24+18	litres									1,154
797	YaraBela Sulfan 24+0+0+15SO3	kg									346,154
823	YaraLiva Nitabor 15.4+0+0	kg									460,5
791	YaraVita Bortrac 150	litres									49
790	YaraVita Zintrac 700	litres	15,93	10	13,08	15,71	13,11	14,264	17,7	99,794	198,406
386	Zinc sulphate	litres									1009,55
604	Zinc Sulphate (Heptahydrate) (21%)	kg	968,26	1197,4	1024,3	995,67	994,7	981,5	1006,9	7168,73	11874,6

## ENVIRONMENTAL CLUSTERS

# OVERVIEW RECORDED DATA (Continued)

MPS company number: **910529/01**

Valid: Period 8-2020 until Period 7-2021

Company name: Bondeni Flowers Ltd (total)

Version: 18-10-2021

Code	Description	Unit	Period 1	Period 2	Period 3	Period 4	Period 5	Period 6	Period 7	Subtotal	Year total
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## ENVIRONMENTAL CLUSTERS

Outdoor crops												
2008	SHRUBS FOR FORCING	m2										
2028	BULB FLOWERS	m2										
2030	ARBORICULTURE	m2	20000	20000	20000	20000	20000	15000	15000			
2099	UNCULTIVATED	m2	36400	36400	36400	36400	36400	102800	102800			
2103	ARABLE FARMING	m2										
2133	SUMMER/CUTFLOWERS	m2	486310	486310	486310	486310	486310	547510	547510			
	Subtotal		542710	542710	542710	542710	542710	665310	665310			
Certified parental material												
663	MPS-ABC certif. parental mat. outdoor	m2						446600	446600			

# OVERVIEW RECORDED DATA

MPS company number: **910529/01**  
 Company name: **Bonden Flowers Ltd (total)**

Valid: **Period 8-2020 until Period 7-2021**  
 Version: **18-10-2021**

Code	Description	Unit	Period 8	Period 9	Period 10	Period 11	Period 12	Period 13	Subtotal
<b>CROP PROTECTION AGENTS</b>									
3250	Actara 25 WG	grams	2114	2771	1737	2151	2174	3511	14458
4016	Addit	ml							
3085	Aliette 80 WP	grams	6185	24298	14745	13000	14440	11050	83718
4011	Amistar 250 SC	ml	4650	14690	11160	15260	8200	9490	63450
4133	Ampligo 150 ZC	ml		3263	3540		260	245	7308
4035	Ariane	ml	76,923	76,923	76,923	449			679,769
4092	Artea 330 EC	ml			10000	525	1800	3524	15849
3664	B-9	grams	137	550	653	100			1440
3657	Banko 720 SC	ml							
3687	Belt 480 SC	ml	720	720	720	360	720	1080	4320
4121	Bestacron 720 EC	ml							
4006	Buctril MC	ml						2080	2080
4153	Caramba Turbo	ml				420	560	280	1260
3623	Chrysal AVB	ml	2000	1000	1000	3000	4000	5000	16000
4119	Chrysal Inicial	grams	20400	23200	22400	21600	24000	40800	152400
4118	Chrysal RVB Clear	ml	50000	20000	20000	50000	60000	50000	250000
3196	Condifor 200	ml				1500	6000	8100	15600
3327	Confidor 20 SL	ml	600	4800	5140	3090	4100	5940	23670
4162	Configure	ml							
3685	Coragen 20 SC	ml	48	292	90	159	36	278	903
4135	Cuprocaffaro 500 WP	grams	3200	26800	32000	2200	7050	19700	90950
4108	Cutter 112 EC	ml			1200				1200
3443	Daconil (500)	ml		37000	1200	14000	500	2200	54900
3037	Daconil 75 WP	grams							
3008	Decis 25 EC	ml	3800	3059	4800	4000	2400	6550	24609
4137	Dragnet FT Termiticide	ml						1000	1000
4146	Dual Gold 960 EC	ml			10000	3005	2179	4995	20179
4106	Dudu-All 450 EC	ml	38	114	5469	5250	16000	9875	36746
4188	Duduba 450 EC	ml							
3011	Dursban 4 EC	ml		240		660			900
3069	Dynamec 1.8 EC	ml	11700	23732	12637	17068	14835	23935	103907
3683	Efentezine 500 SC	ml							
4164	Efenthiron 500 SC	ml							
4068	Elcazim 50 SC	ml	4500		2800	3400	1800	2070	14570
4134	Emethanil 400 SC	ml						2160	2160
4112	Eprodane 500 SC	ml				2900	4500	2400	9800
4163	Ethrel A	ml							
4044	Farmerzeb 80 WP	grams	9245	10256	17221	12950	6870	12960	69502
3182	Folicur 250 EC	ml	330	2300	1900	950	640	2700	8820

# OVERVIEW RECORDED DATA (Continued)

MPS company number: **910529/01**

Company name: **Bondeni Flowers Ltd (total)**

Valid: Period 8-2020 until Period 7-2021

Version: 18-10-2021

Code	Description	Unit	Period 8	Period 9	Period 10	Period 11	Period 12	Period 13	Subtotal
3098	Fungaran	grams	4400		200		270		4870
4110	Fusilade Forte	ml	4492	1586	1720	250	150	500	8698
4166	Isopropyl Alcohol LR (IPA) / 2-Propanol LR 99%	ml							
3650	Ivory 80 WP	grams	925	3351	180	330	75	1100	5961
4065	Kalach 480 SL	ml			2000				2000
3024	Karate 5 CS	ml	5180	8150	4590	4700	6830	4630	34080
4116	Leaf Shine & Seal (Chrysal)	ml	420	480	600	780	720	970	3970
3260	Match 50 EC	ml	2800	3350	3000	3000	5200	2020	19370
4187	Mupacron 500 EC	ml							
4196	Mycotal	grams							
4029	Nativo SC 300	ml	960	320	900	900	760	1100	4940
3398	Nimbecidine	ml							
4107	NoPath EW	ml	7957	31155	32134	16364	28895	18005	134510
3262	Nu-film	ml	7	883	1710	698	426	771	4495
3246	Ortiva	ml	1410	1410	2820	1410	1530	1410	9990
3544	Pearl 500 SC	ml	2170	1810	2550	640	1250	550	8970
4080	Probenzoate 1.0 EC	ml							
4154	Procyclam WP	grams					720	890	1610
4189	Profecron 720 EC	ml							
3686	Prove 1.9 EC	ml							
4095	Revus Top 250 SC	ml	3750	3750	1390		3750	3760	16400
4130	Rhizopon AA Poeder 1%	grams	1048		524	500	500		2572
3264	Ridomil Gold MZ 68 WG	grams			509	2000		350	2859
3116	Ridomil Mz 63.5 WP	grams		2000	1500		2000	1500	7000
3381	Rizolex 50 WP	grams			6800	304	6306		13410
3053	Ronstar	grams							
4140	Rootex Rooting Powder 0.6%	grams							
4132	Rugby 100 ME	ml	800						800
3123	Score 250 EC	ml	400	2700	4740	1850	3075	1800	14565
3394	Selectron 720 EC	ml							
4111	Servian 75 WG	grams		284	568	52		298	1202
4149	Snowcron 500 EC	ml				5250	14750	9125	29125
4185	Snowmectin 1.6 EC	ml							
4128	Snowstorm 48 EC	ml		446	5797	680	10150	6150	23223
3224	Sporekill	ml			42	3400	3950	3000	10392
4097	Sulgran 80 WDG	grams							
4190	Sulorian 750 WG	grams							
4148	Supreme 325 SC	ml						320	320

# OVERVIEW RECORDED DATA (Continued)

MPS company number: **910529/01**

Company name: **Bondeni Flowers Ltd (total)**

Valid: Period 8-2020 until Period 7-2021

Version: 18-10-2021

Code	Description	Unit	Period 8	Period 9	Period 10	Period 11	Period 12	Period 13	Subtotal
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## CROP PROTECTION AGENTS (Continued)

4037	Terror 50 SC	ml	2894	24371	8378	2500	250	11850	50243
3646	Thunder OD145	ml	3160	3113	5067	1303	780	2640	16063
4139	Tihan OD 175 Oil Dispersion	ml	900	1800	1800	750	1500	1500	8250
3234	Tivag	ml		7046					7046
4085	Topneem Ultra Super 1% EC	ml					360	120	480
3662	Touchdown Forte 500 SL	ml	400	2700	32340	13040	1710	9000	59190
3251	Tracer 480 SC	ml	2000	1645	3475	2500	2550	1500	13670
4147	Trimectin 5 WDG	grams			37000	5850	4200	7620	54670
4129	Triumph 692 EC	ml	288	1763	1408	1108	1443	4189	10199
4165	Twigaphos 48 EC	ml							
4109	Velum Prime SC 500	ml	1591	3768	3482	5728	3070	4230	21869
4138	Volsate	ml		4550			4550	750	9850
4150	Vuna Bean 500 WDG	grams							
4152	Vuna Onion 240 EC	ml							
4151	Vuna Rice 100 SC	ml							
4131	Zetabestox 10% EC	ml	2500	1500	4500	3000	3000	1500	16000

## ENERGY

4	Electricity usage (Total)	kWh	43448	36532	47894	49255	31759	45069	253957
54	Diesel oil/fuel	litres	564	770	1115	935	1015	1880	6279
6	Green Electricity Usage	kWh	18682	15708	20594	21180	13656	19379	109199

## FERTILIZERS

822	Agri Gypsum Calcium Sulphate	kg	2346,65	3005,75	2153	2817,75	2954,2	2687,9	15965,25
718	Agrocultural Lime	kg	4940	5378	3310,5	4045,5	11744,2	7255,8	36674
742	Ammonium Sulphate (21.1% N - 24% SO3)	kg			22,41	18,2	7	18,8	66,41
518	Borax	kg	33,366	49,412	52,515	63,5	108,333	73,24	380,366
825	Boric Acid 99.5-100.5%	kg	2,634	2,892	3,581	3,194	3,091	4,754	20,146
842	Boron 15	litres							
543	Calcium ammonium nitrate	kg	107,75	143	169	220	280	380,1	1299,85
831	Calcium Magnesium Carbonate (Dolomite Lime)	kg	2058,3	2915	1792	1563	2918,2	6041,5	17288
545	Calcium nitrate (nitrate of Lime)	kg	5139,03	7781,235	8440,765	7305,125	6989,076	10059,285	45714,516
552	Copper sulphate	kg					30		30
787	Coptrel 500	litres	0,385	0,385	0,385				1,155
809	DAP 18+46+0	kg							
845	FertiFlow 19+19+19 (+1MgO)+TE	kg							

## OVERVIEW RECORDED DATA (Continued)

MPS company number: **910529/01**

Company name: **Bonden Flowers Ltd (total)**

Valid: Period 8-2020 until Period 7-2021

Version: 18-10-2021

Code	Description	Unit	Period 8	Period 9	Period 10	Period 11	Period 12	Period 13	Subtotal
829	Field-Cote CRF 17+12+11(+3MgO)+TE	kg	15					2	17
849	Granubor Natur	kg							
824	Granusol WSF Green 17+10+17(+12)+TE	litres	0,88						0,88
830	Grow-Cal 10+0+0	litres	29,56	34,7	34,975	29,3	19,875	35,4	183,81
509	Hampiron	kg	0,04						0,04
516	Magnesium sulphate	kg	2378,24	1391,541	1860,83	1353,89	1202,177	1509,209	9695,887
575	Manganese sulphate	kg							
784	Minjingu rock phosphate fertilizer	kg	15					24,9	39,9
580	Mono-ammonium phosphate (MAP) 12+61.7+0	kg	196,69	295,816	310,187	288,389	327,65	483,317	1902,049
581	Mono-potassium phosphate (MKP) 0+52.29+33.98	kg	6,78	14,1	23,55	9,44	13,3	14	81,17
629	NPK 17+17+17	kg	186,184	309,252	368,855	429	561	647,5	2501,791
638	NPK 24+12+12	kg							
846	Omya Calciprill 110	kg							
827	Poly-Feed 18+9+27(+2MgO)	kg	876						876
798	Poly-Feed 19+19+19	kg	46,88	135,454	316,399	422,559	391,804	325,765	1638,861
537	Potassium nitrate 13+0+45	kg	5422,28	4559,535	4652,909	3959,52	3821,379	4858,172	27273,795
539	Potassium sulphate	kg	1120,18	1301,938	1454,164	1103,623	1329,15	2110,317	8419,372
729	Sequestrene 6% Fe	kg	0,154	0,154	0,154				0,462
841	Sulotaste Fort NPK 19+19+19	kg							
514	Sulphate of ammonia (ammoniumsulphate)	kg		19					19
808	Tracel BZ 5+7.5+5	kg	0,077	0,077	0,077				0,231
601	Tri-superphosphate	kg	15,325	157,511	291,396	335,15		1041,75	1841,132
603	Urea 46%	kg	16,2	12,5	21,3			3	53
800	Wuxal Macromix 24+24+18	litres	0,385	0,385	0,385				1,155
797	YaraBela Sulfan 24+0+0+15SO3	kg	115,385	115,385	115,385				346,155
823	YaraLiva Nitrorbor 15.4+0+0	kg	460,5						460,5
791	YaraVita Bortrac 150	litres	3	6	12	10		18	49
790	YaraVita Zintrac 700	litres	17,83	26,55	11,75	12,477	10,7	19,305	98,612
386	Zinc sulphate	litres			1009,55				1009,55
604	Zinc Sulphate (Heptahydrate) (21%)	kg	538,67	939,75		1001,6	915,67	1310,18	4705,87

### ENVIRONMENTAL CLUSTERS

# OVERVIEW RECORDED DATA (Continued)

MPS company number: **910529/01**

Valid: Period 8-2020 until Period 7-2021

Company name: Bondeni Flowers Ltd (total)

Version: 18-10-2021

Code	Description	Unit	Period 8	Period 9	Period 10	Period 11	Period 12	Period 13	Subtotal
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## ENVIRONMENTAL CLUSTERS

		Outdoor crops							
2008	SHRUBS FOR FORCING	m2			0				
2028	BULB FLOWERS	m2			0				
2030	ARBORICULTURE	m2	20000	20000	20000	20000	20000	20000	
2099	UNCULTIVATED	m2	36400	36400	36400	36400	36400	36400	
2103	ARABLE FARMING	m2			30000				
2133	SUMMER/CUTFLOWERS	m2	486310	486310	486310	486310	486310	486310	
		Subtotal	542710	542710	572710	542710	542710	542710	
		Certified parental material							
663	MPS-ABC certif. parental mat. outdoor	m2			0				



# CO2 Indicator

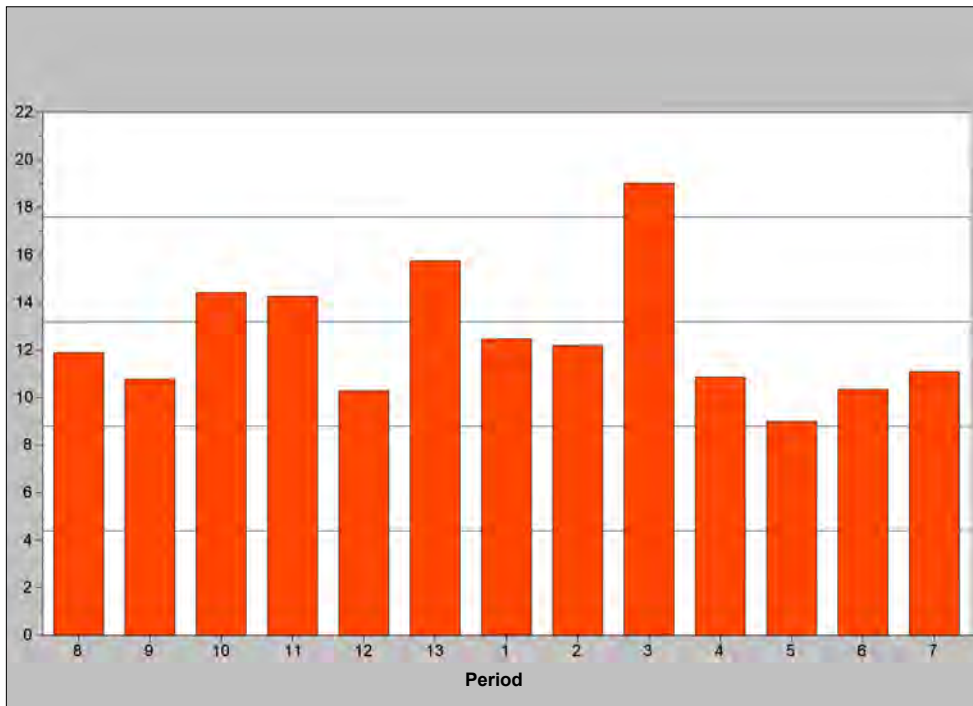
MPS company number: **910529/01**  
 Company name: **Bondeni Flowers Ltd**

Valid: **Period 8-2020 until Period 7-2021**  
 Version: **18-10-2021**

**Review CO2-emission per energy source per year (x 1000 kg)**

Code		CO2 production (x 1000)
4	Electricity usage (Total)	220
54	Diesel oil/fuel	37
6	Green Electricity Usage	-95
<b>Total</b>		<b>162</b>

**Review CO2-emission per period (x 1000 kg)**



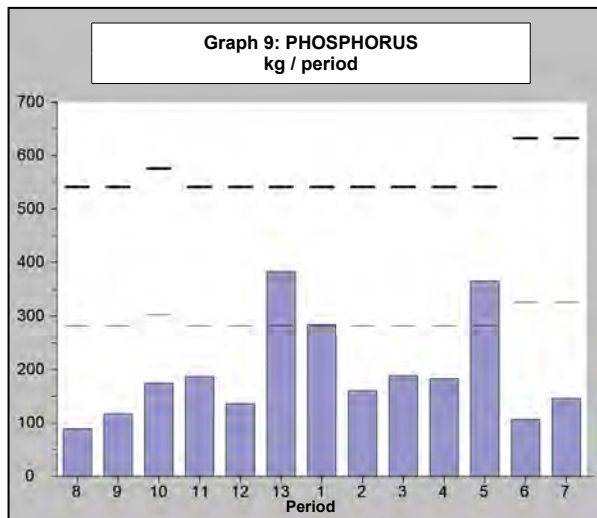
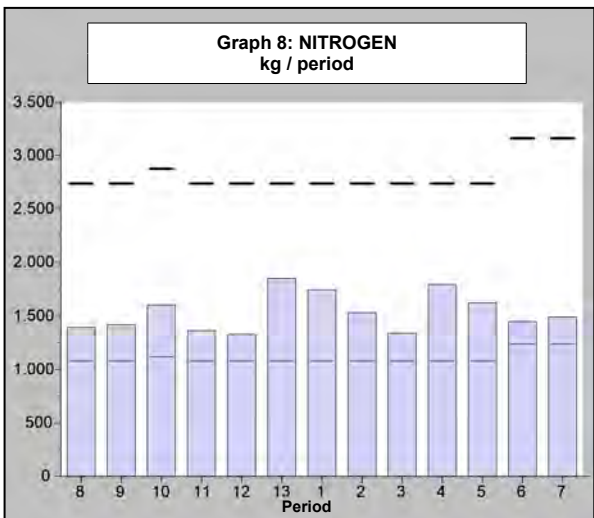
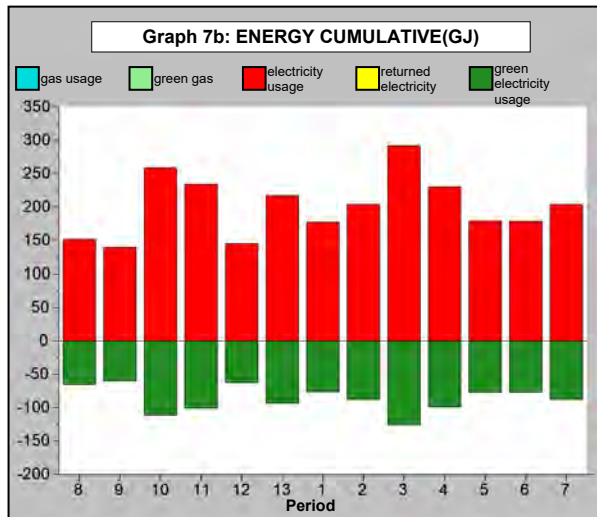
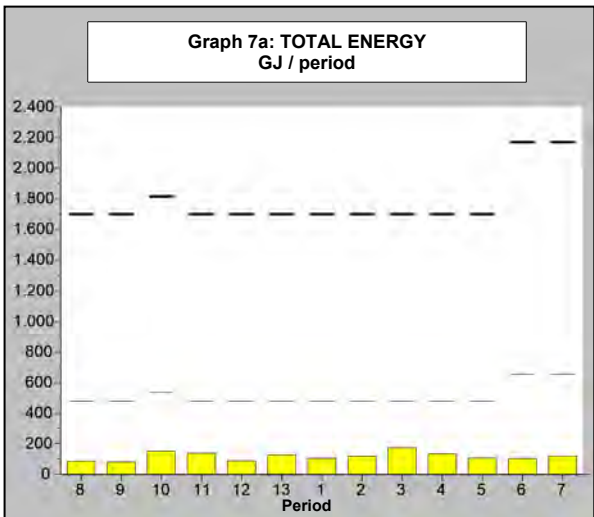
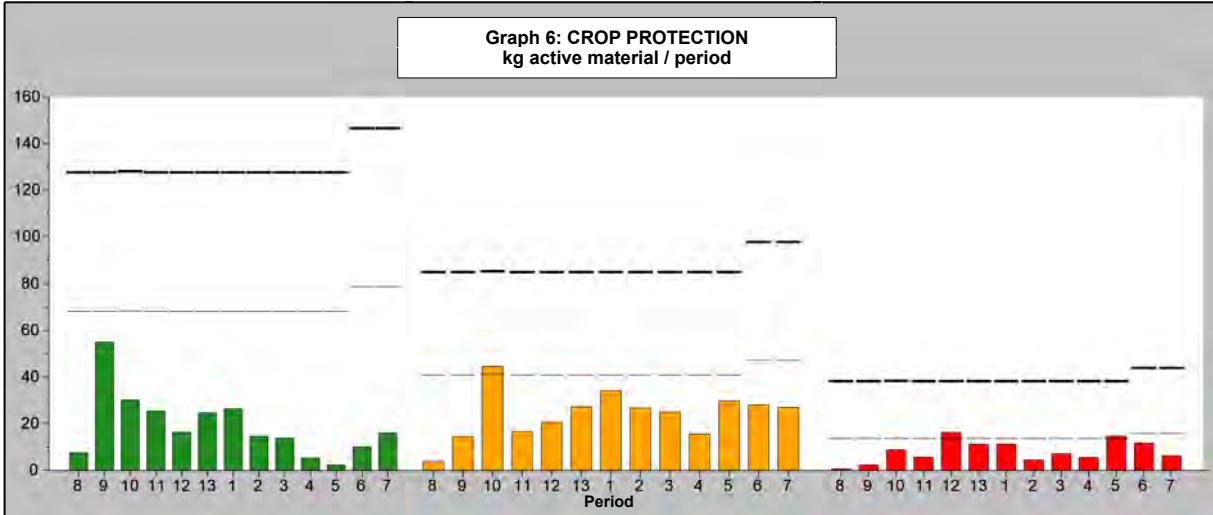
Disclaimer: the purpose of the above mentioned table and graphics is to give an insight in the CO2-emission on company level. The CO2 emission has been based on the energy consumption in GJ and the internationally accepted arithmetic rules. The calculation of the quantity in GJ is based on the calculation system of MPS for the fuel used by the company and the electricity and heating that has been bought and sold. The review serves only as a management tool. No rights can be derived. It is not allowed to use this review for other purposes. In cooperation with (inter)national stakeholders and research organizations MPS is working on further developments concerning CO2. We mainly focus on CO2 emission in the transport chain and the CO2 emission per physical production.

# QUALIFICATION AND PERIOD GRAPHS

MPS company number: **910529/11**  
 Company name: Bondeni Flowers Ltd

Valid: Period 8-2020 until Period 7-2021  
 Version: 18-10-2021

<-----> = Upperlimit <-----> = Lowerlimit



# MPS-Overview Composition of Qualification

MPS company number: 910529/11  
 Company name: Bondeni Flowers Ltd

Valid: Period 8-2020 until Period 7-2021  
 Version: 18-10-2021

## Overview Environmental zones

Period	8	9	10	11	12	13	1	2	3	4	5	6	7
Environmental	Zone 3	Zone 3	Zone 3	Zone 3	Zone 3	Zone 3	Zone 3	Zone 3	Zone 3	Zone 3	Zone 3	Zone 3	Zone 3

## Company usage of MPS-MIND

Pesticide	Indicator color	active ingredient	Annual company unit use of active substance		
			Green	Amber	Red
Actara 25 WG	●	thiamethoxam		0,105	
Addit	○	vegetable oil			
Aliette 80 WP	●	fosetyl-aluminium	91,494		
Amistar 250 SC	●	azoxystrobin		21,550	
Ampligo 150 ZC	●	chlorantraniliprole		1,268	
	●	lambda-cyhalothrin		0,634	
Ariane	●	clopyralid		0,013	
	●	fluroxypyr	0,049		
	●	mcpa		0,234	
Artea 330 EC	●	cyproconazole			2,659
	●	propiconazole		8,309	
B-9	●	daminozide	1,224		
Banko 720 SC	●	chlorothalonil	0,216		
Bestacron 720 EC	●	profenofos		7,877	
Buctril MC	●	bromoxynil		0,518	
	●	mcpa		0,518	
Caramba Turbo	●	mepiquat chloride	1,411		
	●	metaconazole		0,202	
Confidor 20 SL	●	imidacloprid			5,028
Configure	●	6-benzylaminopurine	0,000		
Coragen 20 SC	●	chlorantraniliprole		0,197	
Cuprocaffaro 500 WP	●	copper oxychloride		58,430	
Cutter 112 EC	●	acetamiprid	0,077		
	●	emamectin benzoate		0,058	
Daconil (500)	●	chlorothalonil	40,350		
Daconil 75 WP	●	chlorothalonil	13,200		
Decis 25 EC	●	deltamethrin		0,824	
Dragnet FT Termiticide	●	permethrin			0,380
Dual Gold 960 EC	●	s-metolachlor	21,107		
Dudu-All 450 EC	●	chlorpyrifos			33,422
	●	cypermethrin			9,549
Duduba 450 EC	●	chlorpyrifos			3,413
	●	cypermethrin			0,975
Dursban 4 EC	●	chlorpyrifos			0,432
Dynavec 1.8 EC	●	abamectin		0,957	
Efentezine 500 SC	●	clofentezin		0,440	
Efenthiuron 500 SC	●	diafenthiuron		1,540	
Elcazim 50 SC	●	carbendazim		11,188	
Emethanil 400 SC	●	pyrimethanil		6,636	
Eprodane 500 SC	●	iprodione			9,200
Ethrel A	●	ethephon	0,002		
Fungaran	●	copper ii hydroxide		10,638	
Fusilade Forte	●	fluazifop-p-butyl		3,427	
Ivory 80 WP	●	mancozeb	6,502		
Kalach 480 SL	●	glyphosate		1,104	
Karate 5 CS	●	lambda-cyhalothrin		1,633	
Match 50 EC	●	lufenuron			0,483
Mupacron 500 EC	●	profenofos		0,500	

# MPS-Overview Composition of Qualification

MPS company number: 910529/11  
 Company name: Bondeni Flowers Ltd

Valid: Period 8-2020 until Period 7-2021  
 Version: 18-10-2021

## Company usage of MPS-MIND

Pesticide	Indicator color	active ingredient	Annual company unit use of active substance		
			Green	Amber	Red
Mycotal	○	verticillium lecanii / lecanicillium s			
Nimbecidine	●	azadirachtin	0,037		
NoPath EW	○	vegetable oil			
Nu-film	○	di-1-p-menthene			
Pearl 500 SC	●	carbendazim		23,150	
Probenzoate 1.0 EC	●	emamectin benzoate		0,000	
Procyclam WP	●	thiocyclam hydrogen oxalate	11,035		
Profecron 720 EC	●	profenofos		11,880	
Prove 1.9 EC	●	emamectin benzoate		0,001	
Ridomil Gold MZ 68 WG	●	mancozeb	0,806		
	●	metalaxyl-m		0,050	
Rizolex 50 WP	●	tolclofos-methyl		9,210	
Ronstar	●	oxadiazon			0,069
Rootex Rooting Powder 0.6%	●	indolybutyric acid	0,006		
Score 250 EC	●	difenoconazole			14,580
Selectron 720 EC	●	profenofos		0,072	
Servian 75 WG	●	halosulfuron	2,003		
Snowcron 500 EC	●	profenofos		30,263	
Snowmectin 1.6 EC	●	emamectin benzoate		0,581	
Snowstorm 48 EC	●	chlorpyrifos			17,908
Sporekill	●	didecyldimethylammonium chlori	1,880		
Sulgran 80 WDG	○	sulfur/sulphur			
Sulorian 750 WG	●	halosulfuron	0,375		
Supreme 325 SC	●	azoxystrobin		0,064	
	●	difenoconazole			0,040
Terror 50 SC	●	thiophanate-methyl	35,627		
Thunder OD145	●	beta-cyfluthrin		0,802	
	●	imidacloprid			1,781
Tivag	●	gibberelline zuur a3			
Topneem Ultra Super 1% EC	●	azadirachtin	0,200		
Touchdown Forte 500 SL	●	glyphosate		43,870	
Tracer 480 SC	●	spinosad	3,432		
Trimectin 5 WDG	●	emamectin benzoate		2,874	
Triumph 692 EC	●	acetamiprid	0,368		
	●	lambda-cyhalothrin		0,689	
	●	profenofos		6,893	
Twigaphos 48 EC	●	chlorpyrifos			5,664
Velum Prime SC 500	●	fluopyram	16,359		
Volsate	●	glyphosate		25,004	
Vuna Onion 240 EC	●	oxyfluorfen			0,116
<b>Annual company unit use of active substance</b>			<b>247,759</b>	<b>294,201</b>	<b>105,698</b>

# OVERVIEW RECORDED DATA

MPS company number: **910529/11**  
 Company name: **Bondeni Flowers Ltd**

Valid: **Period 8-2020 until Period 7-2021**  
 Version: **18-10-2021**

Code	Description	Unit	Period 1	Period 2	Period 3	Period 4	Period 5	Period 6	Period 7	Subtotal	Year total
<b>FORM RECEIVED</b>			yes	yes	yes	yes	yes	yes	yes		
<b>CROP PROTECTION AGENTS</b>											
3250	Actara 25 WG	grams	150							150	418
4016	Addit	ml						11	45	56	56
3085	Aliette 80 WP	grams	15000	5000	5950			4700		30650	114368
4011	Amistar 250 SC	ml	2050	7130	3550	4220	9730	7700	12940	47320	86200
4133	Ampligo 150 ZC	ml	1290	860	450	970	542	707	550	5369	12676
4035	Ariane	ml									564,385
4092	Artea 330 EC	ml		2400	1200	1500	5175	4937	2175	17387	33236
3664	B-9	grams									1440
3657	Banko 720 SC	ml		300						300	300
4121	Bestacron 720 EC	ml	4560	130	6250					10940	10940
4006	Buctril MC	ml				125	97			222	2302
4153	Caramba Turbo	ml	280	280	840	700	1120	1120	1120	5460	6720
3327	Confidor 20 SL	ml	1470							1470	25140
4162	Configure	ml				3				3	3
3685	Coragen 20 SC	ml	80							80	983
4135	Cuprocaffaro 500 WP	grams	25950	4450	13000	2510				45910	116860
4108	Cutter 112 EC	ml									1200
3443	Daconil (500)	ml		3000				800	22000	25800	80700
3037	Daconil 75 WP	grams	6350		6000	4000	1250			17600	17600
3008	Decis 25 EC	ml	1750	340	1630	1150	4200	6905	11580	27555	32964
4137	Dragnet FT Termiticide	ml									1000
4146	Dual Gold 960 EC	ml	1330						477	1807	21986
4106	Dudu-All 450 EC	ml	9000	6480	12250		11995	12607	6413	58745	95491
4188	Duduba 450 EC	ml				4560	5180	10		9750	9750
3011	Dursban 4 EC	ml									900
3069	Dynamec 1.8 EC	ml	2820	5210	4960	525	4708	5334	279	23836	53193
3683	Efentezine 500 SC	ml		880						880	880
4164	Efenthiuron 500 SC	ml	1630	200	1250					3080	3080
4068	Elcazim 50 SC	ml		1200				5	6600	7805	22375
4134	Emethanil 400 SC	ml	5100		2880	4050	2400			14430	16590
4112	Eprodane 500 SC	ml		900	1200	2700	2550		1250	8600	18400
4163	Ethrel A	ml				2	2	2		6	5
3098	Fungaran	grams				435	6750	7020	6600	20805	21275
4110	Fusilade Forte	ml	3000	1000	2250	1500		3700	2700	14150	22848
4166	Isopropyl Alcohol LR (IPA) / 2-Propanol LR 99%	ml	2500	2500	2500		5000	7500		20000	20000
3650	Ivory 80 WP	grams	360	730	20	150	150	180	577	2167	8128

# OVERVIEW RECORDED DATA (Continued)

MPS company number: **910529/11**

Company name: **Bondeni Flowers Ltd**

Valid: Period 8-2020 until Period 7-2021

Version: 18-10-2021

Code	Description	Unit	Period 1	Period 2	Period 3	Period 4	Period 5	Period 6	Period 7	Subtotal	Year total
4065	Kalach 480 SL	ml		300						300	2300
3024	Karate 5 CS	ml	2940	630	3250	2790	5580	2580	3975	21745	32665
3260	Match 50 EC	ml	880	100	1550	450	2145	1660	500	7285	9655
4187	Mupacron 500 EC	ml				180	180	640		1000	1000
4196	Mycotal	grams						21	90	111	111
3398	Nimbecidine	ml			14170	26670	26579	28030	28035	123484	123484
4107	NoPath EW	ml	19180	31260	9560	7720	33802	16843	23486	141851	271717
3262	Nu-film	ml	620	830				665	860	2975	7470
3544	Pearl 500 SC	ml	8650	11950		3600		10400	11700	46300	46300
4080	Probenzoate 1.0 EC	ml						5		5	5
4154	Procyclam WP	grams		80	2980	3250	1750	5100	7300	20460	22070
4189	Profecron 720 EC	ml				6000	10500			16500	16500
3686	Prove 1.9 EC	ml							50	50	50
3264	Ridomil Gold MZ 68 WG	grams		400						400	1259
3381	Rizolex 50 WP	grams	200	210	100	300	4200			5010	18420
3053	Ronstar	grams							275	275	275
4140	Rootex Rooting Powder 0.6%	grams					1000			1000	1000
3123	Score 250 EC	ml	4880	500	1540	7850	7910	16115	4960	43755	58320
3394	Selectron 720 EC	ml	100							100	100
4111	Servian 75 WG	grams	190	560	370			261	87	1468	2670
4149	Snowcron 500 EC	ml	6000	7030	4850			7695	5825	31400	60525
4185	Snowmectin 1.6 EC	ml		8100	10994	2150	7575	6815	700	36334	36334
4128	Snowstorm 48 EC	ml	420	710	930		6495	2930	2600	14085	37308
3224	Sporekill	ml			2400	1500	625	110	640	5275	15667
4097	Sulgran 80 WDG	grams		30	30		40			100	100
4190	Sulorian 750 WG	grams						500		500	500
4148	Supreme 325 SC	ml									320
4037	Terror 50 SC	ml	9000	10810				1200		21010	71253
3646	Thunder OD145	ml	710	1040						1750	17813
3234	Tivag	ml									7046
4085	Topneem Ultra Super 1% EC	ml	280	2430	1990	2410	3230	7280	1875	19495	19975
3662	Touchdown Forte 500 SL	ml	5600	6650	5600				12250	30100	87740
3251	Tracer 480 SC	ml	1450	900	300		92	987		3729	7149
4147	Trimectin 5 WDG	grams	2570	240						2810	57480
4129	Triumph 692 EC	ml	920	370						1290	11488
4165	Twigaphos 48 EC	ml	11200	500				100		11800	11800
4109	Velum Prime SC 500	ml	5200	3240	4300	168		2500		15408	32717
4138	Volsate	ml		12600	6830	11450	17250	9525	1950	59605	69455
4150	Vuna Bean 500 WDG	grams				1	1			2	2

# OVERVIEW RECORDED DATA (Continued)

MPS company number: **910529/11**

Company name: **Bondeni Flowers Ltd**

Valid: Period 8-2020 until Period 7-2021

Version: 18-10-2021

Code	Description	Unit	Period 1	Period 2	Period 3	Period 4	Period 5	Period 6	Period 7	Subtotal	Year total
<b>CROP PROTECTION AGENTS (Continued)</b>											
4152	Vuna Onion 240 EC	ml		150		25	308			483	483
4151	Vuna Rice 100 SC	ml				6	5			11	11
<b>WATER</b>											
21	Total irrigation	m3	41257	31162	39940	3072	7900	16678	13167	153176	768951
<b>ENERGY</b>											
4	Electricity usage (Total)	kWh	19706	22695	32453	25594	19902	19858	22662	162870	290291
54	Diesel oil/fuel	litres	120	40	240	73	120	40	80	713	1284
6	Green Electricity Usage	kWh	8473	9758	13955	11005	8558	8539	9745	70033	124822
<b>FERTILIZERS</b>											
822	Agri Gypsum Calcium Sulphate	kg	1260,58	4087,25	5480,3	2829	5103	6066	2099	26925,13	35564,88
718	Agrocultural Lime	kg	6192,24	7512,5	8029	1168,4	2033	1799,6	1529,7	28264,44	64938,44
742	Ammonium Sulphate (21.1% N - 24% SO3)	kg									66,41
518	Borax	kg	65,11	78,9	55,35	56,4	59,2	61	47,78	423,74	804,106
825	Boric Acid 99.5-100.5%	kg	0,45	0,96	1,34	0,96	0,5	0,5	0,5	5,21	9,629
842	Boron 15	litres	3	18,4	9,2	8,2	16,8	4	7	66,6	66,6
543	Calcium ammonium nitrate	kg	303,87	305,3	279,2	236,4	312	330	172	1938,77	3238,62
831	Calcium Magnesium Carbonate (Dolomite Lime)	kg	5660,5	4143,63	6206,5	3652,5	745	1953	1198,7	23559,83	40847,83
545	Calcium nitrate (nitrate of Lime)	kg	6409,68	6035,48	5349,03	8710,11	7559,4	6748	7043	47854,7	79778,966
552	Copper sulphate	kg		0,03	14,51	0,01	0,122	0,131	0,243	15,046	45,046
787	Coptrel 500	litres									0,577
809	DAP 18+46+0	kg							170	170	170
845	FertiFlow 19+19+19 (+1MgO)+TE	kg	226,02			166,8	252	81,72	88,61	815,15	815,15
829	Field-Cote CRF 17+12+11(+3MgO)+TE	kg									17
849	Granubor Natur	kg							9	9	9
824	Granusol WSF Green 17+10+17(+12)+TE	litres									0,88
830	Grow-Cal 10+0+0	litres	29,25	18,1						47,35	231,16
509	Hampiron	kg									0,04
516	Magnesium sulphate	kg	1014,39	1309,09	1654,55	1055,7	1323	1076	1208,5	8641,23	17651,017
575	Manganese sulphate	kg					0,24		0,44	0,68	0,68
784	Minjingu rock phosphate fertilizer	kg									39,9

# OVERVIEW RECORDED DATA (Continued)

MPS company number: **910529/11**

Company name: **Bondeni Flowers Ltd**

Valid: Period 8-2020 until Period 7-2021

Version: 18-10-2021

Code	Description	Unit	Period 1	Period 2	Period 3	Period 4	Period 5	Period 6	Period 7	Subtotal	Year total
<b>FERTILIZERS (Continued)</b>											
580	Mono-ammonium phosphate (MAP) 12+61.7+0	kg	233,23	312,7	299,3	268,35	303,3	200	202,88	1819,76	3192,569
581	Mono-potassium phosphate (MKP) 0+52.29+33.98	kg	29,3	21,3	26	13,9	17,8	15,7	18,8	142,8	223,97
629	NPK 17+17+17	kg		172,4	433,8	424,6	448,9	463,5	477,8	2421	4922,791
638	NPK 24+12+12	kg	390							390	390
846	Omya Calciprill 110	kg	1,1							1,1	1,1
827	Poly-Feed 18+9+27(+2MgO)	kg									876
798	Poly-Feed 19+19+19	kg	584,72	278,85	430,8	43,42				1337,79	2696,421
537	Potassium nitrate 13+0+45	kg	2991,57	2547,04	1827,01	1840,7	1610,9	1458	1473	13748,22	32845,515
539	Potassium sulphate	kg	665,37	1088,43	541,34	368,55	921,2	650	717,6	4952,49	10229,092
729	Sequestrene 6% Fe	kg									0,231
841	Sulotaste Fort NPK 19+19+19	kg		273,98						273,98	273,98
514	Sulphate of ammonia (ammoniumsulphate)	kg	10,1					10,5		20,6	39,6
808	Tracel BZ 5+7.5+5	kg		0,1						0,1	0,215
601	Tri-superphosphate	kg	650,3	65,55	175,7	298,71	1153,4	42	52,5	2438,16	4279,293
603	Urea 46%	kg	3,9	22,1	17,6	1,6		13	22	80,2	133,2
800	Wuxal Macromix 24+24+18	litres									0,577
797	YaraBela Sulfan 24+0+0+15SO3	kg									173,077
823	YaraLiva Nitabor 15.4+0+0	kg									460,5
791	YaraVita Bortrac 150	litres									49
790	YaraVita Zintrac 700	litres	5,43	1,32	4,3	5,15	4,71	3,734	6	30,644	55,856
386	Zinc sulphate	litres									1009,55
604	Zinc Sulphate (Heptahydrate) (21%)	kg	968,26	1197,4	1024,3	995,67	994,7	981,5	1006,9	7168,73	11874,6

## ENVIRONMENTAL CLUSTERS

### Outdoor crops

2008	SHRUBS FOR FORCING	m2									
2028	BULB FLOWERS	m2									
2030	ARBORICULTURE	m2	20000	20000	20000	20000	20000	15000	15000		
2099	UNCULTIVATED	m2	36400	36400	36400	36400	36400	102800	102800		
2103	ARABLE FARMING	m2									
2133	SUMMER/CUTFLOWERS	m2	385400	385400	385400	385400	385400	446600	446600		
	Subtotal		441800	441800	441800	441800	441800	564400	564400		



# OVERVIEW RECORDED DATA (Continued)

MPS company number: **910529/11**

Valid: Period 8-2020 until Period 7-2021

Company name: **Bondeni Flowers Ltd**

Version: **18-10-2021**

Code	Description	Unit	Period 1	Period 2	Period 3	Period 4	Period 5	Period 6	Period 7	Subtotal	Year total
	Certified parental material										
663	MPS-ABC certif. parental mat. outdoor	m2						446600	446600		

## GENERAL INFORMATION FORM

### MPS-Mind

#### Surface water

3900 What is the minimum distance of this location to the nearest surface water? 250 - 2500 metres / 820 - 8200 feet

#### Cover

3910 Does the surface of protected cultivation exceed 95% of this location? no

3901 What is the percentage of protected cultivation for this location (protected surface/total recorded surface for location)? 0 - 25% covered crops

3909 When a plot used for outdoor crops is close to surface water, is the plot separated from the water by a wind-break or a crop free zone of at least three metres yes

#### Slope

3902 What is the maximum slope of a plot on this location? 3 - 10%

#### Leaching to groundwater

3903 Do you grow more than 95% of your crops in a closed (recirculation) system, with less than 3% loss of drainwater? No

3904 What is the minimum depth of the groundwater on all your plot(s)? >= 15 metres / >= 49,2 feet

3905 What is the lowest percentage of organic material of your soil on all your plots of this location? 1,5 - 3%

3906 What is the average annual rainfall? (if not known, enter nothing) 600 - 1500 mm annually / 23 - 59 inch

3907 How many months per year may be regarded as exceptionally dry (less than 2% of the annual precipitation)? 2 - 6 months

3908 What is the average day and night temperature over a whole year? (if not known, enter nothing) > 20 degrees C / 68 degrees F on aver

### Water management

45 Do you collect rainwater? No

47 Do you collect leaking water while working with chemicals? Yes

49 Do you record water use? No

50 Do you use drip irrigation or recirculation? Yes

### Waste management

41 Do you process organic waste in a responsible way? Yes

42 Do you process paper waste in a responsible way? Yes

43 Do you process plastic waste in a responsible way? Yes

44 Do you process chemical waste in a responsible way? Yes

# OVERVIEW RECORDED DATA

MPS company number: **910529/11**  
 Company name: **Bondeni Flowers Ltd**

Valid: **Period 8-2020 until Period 7-2021**  
 Version: **18-10-2021**

Code	Description	Unit	Period 8	Period 9	Period 10	Period 11	Period 12	Period 13	Subtotal
<b>FORM RECEIVED</b>			yes	yes	yes	yes	yes	yes	
<b>CROP PROTECTION AGENTS</b>									
3250	Actara 25 WG	grams		38	39	67	54	70	268
4016	Addit	ml							
3085	Aliette 80 WP	grams	6185	24298	14745	13000	14440	11050	83718
4011	Amistar 250 SC	ml	1140	11180	7650	11750	4690	2470	38880
4133	Ampligo 150 ZC	ml		3263	3540		260	245	7308
4035	Ariane	ml	38,462	38,462	38,462	449			564,386
4092	Artea 330 EC	ml			10000	525	1800	3524	15849
3664	B-9	grams	137	550	653	100			1440
3657	Banko 720 SC	ml							
4121	Bestacron 720 EC	ml							
4006	Buctril MC	ml						2080	2080
4153	Caramba Turbo	ml				420	560	280	1260
3327	Confidor 20 SL	ml	600	4800	5140	3090	4100	5940	23670
4162	Configure	ml							
3685	Coragen 20 SC	ml	48	292	90	159	36	278	903
4135	Cuprocaffaro 500 WP	grams		14000	28000	2200	7050	19700	70950
4108	Cutter 112 EC	ml			1200				1200
3443	Daconil (500)	ml		37000	1200	14000	500	2200	54900
3037	Daconil 75 WP	grams							
3008	Decis 25 EC	ml	200	659		1600		2950	5409
4137	Dragnet FT Termiticide	ml						1000	1000
4146	Dual Gold 960 EC	ml			10000	3005	2179	4995	20179
4106	Dudu-All 450 EC	ml	38	114	5469	5250	16000	9875	36746
4188	Duduba 450 EC	ml							
3011	Dursban 4 EC	ml		240		660			900
3069	Dynamec 1.8 EC	ml		9482	5447	4568	3125	6735	29357
3683	Efentezine 500 SC	ml							
4164	Efenthiuron 500 SC	ml							
4068	Elcazim 50 SC	ml	4500		2800	3400	1800	2070	14570
4134	Emethanil 400 SC	ml						2160	2160
4112	Eprodane 500 SC	ml				2900	4500	2400	9800
4163	Ethrel A	ml							
3098	Fungaran	grams			200		270		470
4110	Fusilade Forte	ml	4492	1586	1720	250	150	500	8698
4166	Isopropyl Alcohol LR (IPA) / 2-Propanol LR 99%	ml							
3650	Ivory 80 WP	grams	925	3351	180	330	75	1100	5961

# OVERVIEW RECORDED DATA (Continued)

MPS company number: **910529/11**

Company name: **Bondeni Flowers Ltd**

Valid: Period 8-2020 until Period 7-2021

Version: 18-10-2021

Code	Description	Unit	Period 8	Period 9	Period 10	Period 11	Period 12	Period 13	Subtotal
4065	Kalach 480 SL	ml			2000				2000
3024	Karate 5 CS	ml	800	2520	2710	950	3070	870	10920
3260	Match 50 EC	ml	800	350			700	520	2370
4187	Mupacron 500 EC	ml							
4196	Mycotal	grams							
3398	Nimbecidine	ml							
4107	NoPath EW	ml	5857	30399	30478	16364	28765	18005	129868
3262	Nu-film	ml	7	883	1710	698	426	771	4495
3544	Pearl 500 SC	ml							
4080	Probenzoate 1.0 EC	ml							
4154	Procyclam WP	grams					720	890	1610
4189	Profecron 720 EC	ml							
3686	Prove 1.9 EC	ml							
3264	Ridomil Gold MZ 68 WG	grams			509			350	859
3381	Rizolex 50 WP	grams			6800	304	6306		13410
3053	Ronstar	grams							
4140	Rootex Rooting Powder 0.6%	grams							
3123	Score 250 EC	ml	400	2700	4740	1850	3075	1800	14565
3394	Selectron 720 EC	ml							
4111	Servian 75 WG	grams		284	568	52		298	1202
4149	Snowcron 500 EC	ml				5250	14750	9125	29125
4185	Snowmectin 1.6 EC	ml							
4128	Snowstorm 48 EC	ml		446	5797	680	10150	6150	23223
3224	Sporekill	ml			42	3400	3950	3000	10392
4097	Sulgran 80 WDG	grams							
4190	Sulorian 750 WG	grams							
4148	Supreme 325 SC	ml						320	320
4037	Terror 50 SC	ml	2894	24371	8378	2500	250	11850	50243
3646	Thunder OD145	ml	3160	3113	5067	1303	780	2640	16063
3234	Tivag	ml		7046					7046
4085	Topneem Ultra Super 1% EC	ml					360	120	480
3662	Touchdown Forte 500 SL	ml	200	1350	32340	13040	1710	9000	57640
3251	Tracer 480 SC	ml		145	1975	1000	300		3420
4147	Trimectin 5 WDG	grams			37000	5850	4200	7620	54670
4129	Triumph 692 EC	ml	288	1763	1408	1108	1443	4189	10199
4165	Twigaphos 48 EC	ml							
4109	Velum Prime SC 500	ml	741	2898	2912	5048	2410	3300	17309
4138	Volsate	ml		4550			4550	750	9850
4150	Vuna Bean 500 WDG	grams							

# OVERVIEW RECORDED DATA (Continued)

MPS company number: **910529/11**

Valid: Period 8-2020 until Period 7-2021

Company name: **Bondeni Flowers Ltd**

Version: **18-10-2021**

Code	Description	Unit	Period 8	Period 9	Period 10	Period 11	Period 12	Period 13	Subtotal
<b>CROP PROTECTION AGENTS (Continued)</b>									
4152	Vuna Onion 240 EC	ml							
4151	Vuna Rice 100 SC	ml							
<b>WATER</b>									
21	Total irrigation	m3	403789	45207	44767	43450	23700	54862	615775
<b>ENERGY</b>									
4	Electricity usage (Total)	kWh	16845	15513	28770	26021	16118	24154	127421
54	Diesel oil/fuel	litres	1	40	125	165	160	80	571
6	Green Electricity Usage	kWh	7243	6670	12371	11189	6930	10386	54789
<b>FERTILIZERS</b>									
822	Agri Gypsum Calcium Sulphate	kg	963,65	1867,75	1206,5	1755,75	1760,2	1085,9	8639,75
718	Agrocultural Lime	kg	4940	5378	3310,5	4045,5	11744,2	7255,8	36674
742	Ammonium Sulphate (21.1% N - 24% SO3)	kg			22,41	18,2	7	18,8	66,41
518	Borax	kg	33,366	49,412	52,515	63,5	108,333	73,24	380,366
825	Boric Acid 99.5-100.5%	kg	0,36	0,36	1,08	0,841	0,48	1,298	4,419
842	Boron 15	litres							
543	Calcium ammonium nitrate	kg	107,75	143	169	220	280	380,1	1299,85
831	Calcium Magnesium Carbonate (Dolomite Lime)	kg	2058,3	2915	1792	1563	2918,2	6041,5	17288
545	Calcium nitrate (nitrate of Lime)	kg	3242,93	5458,635	6171,715	5056,725	4762,876	7231,385	31924,266
552	Copper sulphate	kg					30		30
787	Coptrel 500	litres	0,192	0,192	0,192				0,576
809	DAP 18+46+0	kg							
845	FertiFlow 19+19+19 (+1MgO)+TE	kg							
829	Field-Cote CRF 17+12+11(+3MgO)+TE	kg	15					2	17
849	Granubor Natur	kg							
824	Granusol WSF Green 17+10+17(+12)+TE	litres	0,88						0,88
830	Grow-Cal 10+0+0	litres	29,56	34,7	34,975	29,3	19,875	35,4	183,81
509	Hampiron	kg	0,04						0,04
516	Magnesium sulphate	kg	2281,9	1280,291	1732,12	1269,78	1084,157	1361,539	9009,787
575	Manganese sulphate	kg							
784	Minjingu rock phosphate fertilizer	kg	15					24,9	39,9

# OVERVIEW RECORDED DATA (Continued)

MPS company number: **910529/11**

Company name: **Bondeni Flowers Ltd**

Valid: Period 8-2020 until Period 7-2021

Version: 18-10-2021

Code	Description	Unit	Period 8	Period 9	Period 10	Period 11	Period 12	Period 13	Subtotal
<b>FERTILIZERS (Continued)</b>									
580	Mono-ammonium phosphate (MAP) 12+61.7+0	kg	125,25	195,296	232,267	206,379	234,59	379,027	1372,809
581	Mono-potassium phosphate (MKP) 0+52.29+33.98	kg	6,78	14,1	23,55	9,44	13,3	14	81,17
629	NPK 17+17+17	kg	186,184	309,252	368,855	429	561	647,5	2501,791
638	NPK 24+12+12	kg							
846	Omya Calciprill 110	kg							
827	Poly-Feed 18+9+27(+2MgO)	kg	876						876
798	Poly-Feed 19+19+19	kg		90,304	270,429	384,089	344,704	269,105	1358,631
537	Potassium nitrate 13+0+45	kg	4305,58	3178,385	3297,709	2653,02	2494,129	3168,472	19097,295
539	Potassium sulphate	kg	646,11	830,558	948,784	685,553	830,59	1335,007	5276,602
729	Sequestrene 6% Fe	kg	0,077	0,077	0,077				0,231
841	Sulotaste Fort NPK 19+19+19	kg							
514	Sulphate of ammonia (ammoniumsulphate)	kg		19					19
808	Tracel BZ 5+7.5+5	kg	0,038	0,038	0,038				0,114
601	Tri-superphosphate	kg	15,325	157,511	291,396	335,15		1041,75	1841,132
603	Urea 46%	kg	16,2	12,5	21,3			3	53
800	Wuxal Macromix 24+24+18	litres	0,192	0,192	0,192				0,576
797	YaraBela Sulfan 24+0+0+15SO3	kg	57,692	57,692	57,692				173,076
823	YaraLiva Nitabor 15.4+0+0	kg	460,5						460,5
791	YaraVita Bortrac 150	litres	3	6	12	10		18	49
790	YaraVita Zintrac 700	litres	6	5,8	2,5	3,197	1,75	5,965	25,212
386	Zinc sulphate	litres			1009,55				1009,55
604	Zinc Sulphate (Heptahydrate) (21%)	kg	538,67	939,75		1001,6	915,67	1310,18	4705,87

## ENVIRONMENTAL CLUSTERS

Outdoor crops										
2008	SHRUBS FOR FORCING	m2				0				
2028	BULB FLOWERS	m2				0				
2030	ARBORICULTURE	m2	20000	20000	20000	20000	20000	20000	20000	
2099	UNCULTIVATED	m2	36400	36400	36400	36400	36400	36400	36400	
2103	ARABLE FARMING	m2			30000					
2133	SUMMER/CUTFLOWERS	m2	385400	385400	385400	385400	385400	385400	385400	
	Subtotal		441800	441800	471800	441800	441800	441800	441800	

# OVERVIEW RECORDED DATA (Continued)

MPS company number: **910529/11**  
Company name: Bondeni Flowers Ltd

Valid: Period 8-2020 until Period 7-2021  
Version: 18-10-2021

Code	Description	Unit	Period 8	Period 9	Period 10	Period 11	Period 12	Period 13	Subtotal
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663	Certified parental material MPS-ABC certif. parental mat. outdoor	m2			0				
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# CO2 Indicator

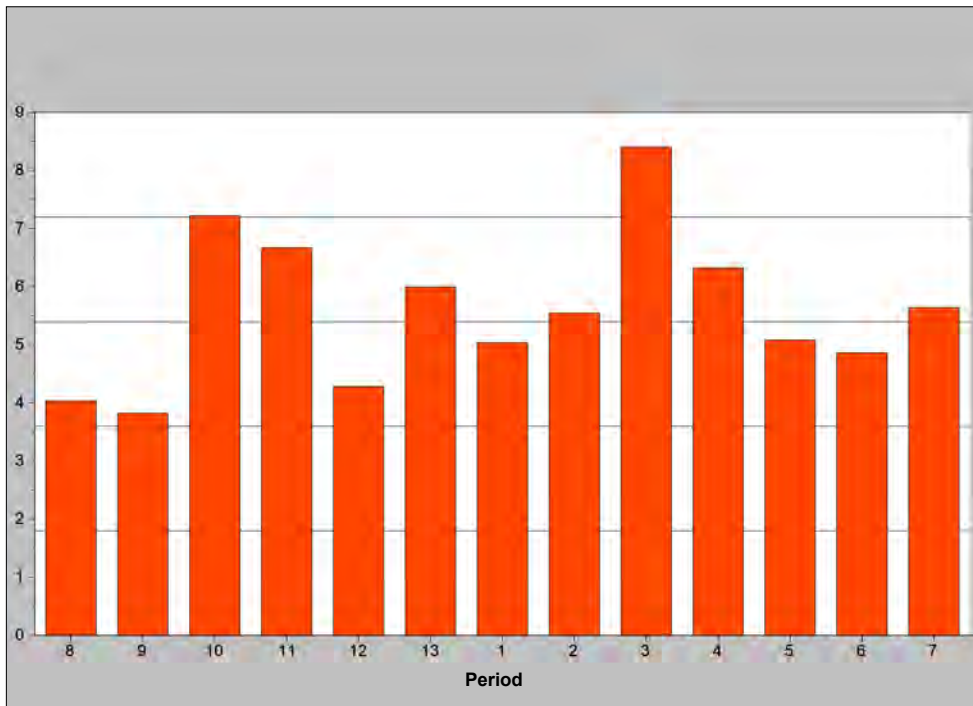
MPS company number: **910529/11**  
 Company name: **Bondeni Flowers Ltd**

Valid: Period 8-2020 until Period 7-2021  
 Version: 18-10-2021

**Review CO2-emission per energy source per year (x 1000 kg)**

Code		CO2 production (x 1000)
4	Electricity usage (Total)	122
54	Diesel oil/fuel	3
6	Green Electricity Usage	-52
<b>Total</b>		<b>73</b>

**Review CO2-emission per period (x 1000 kg)**



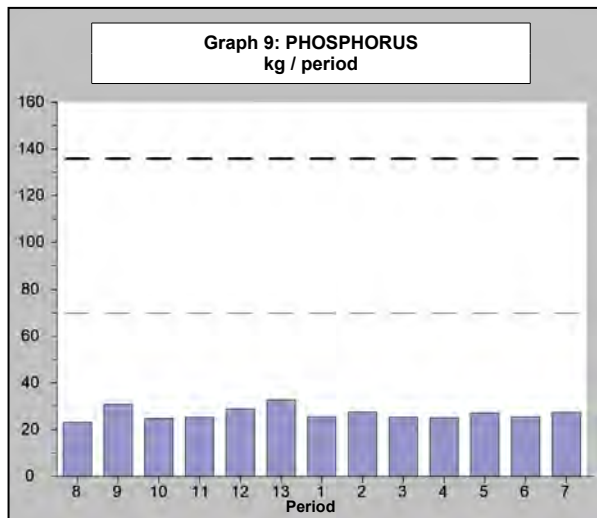
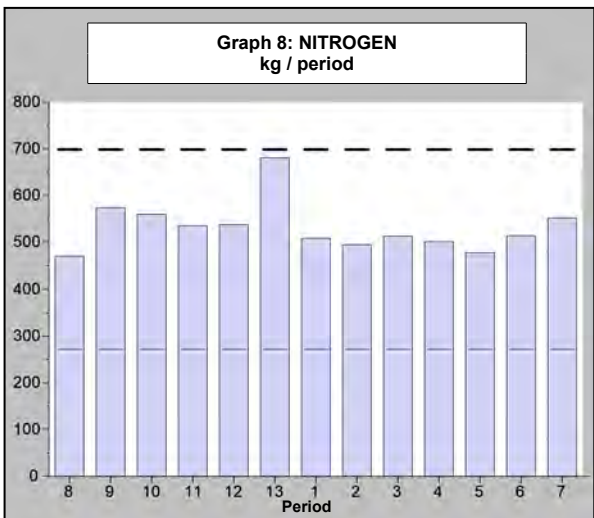
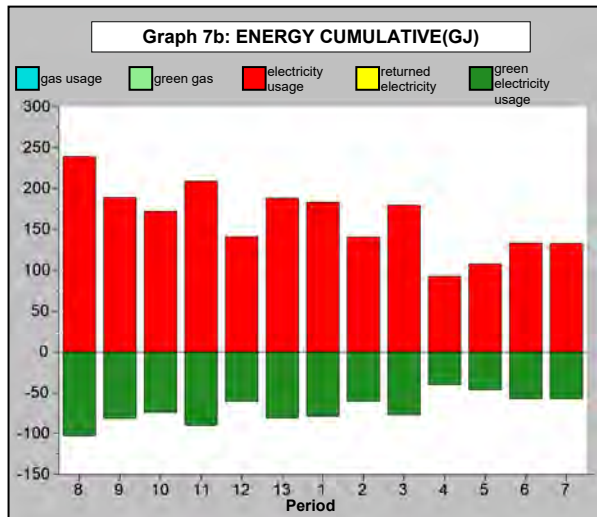
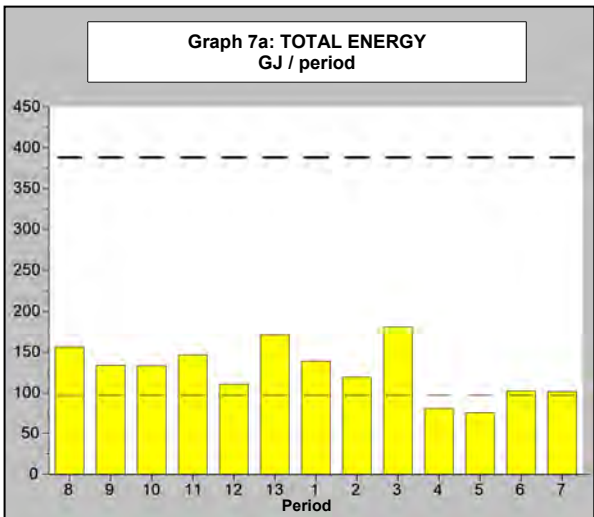
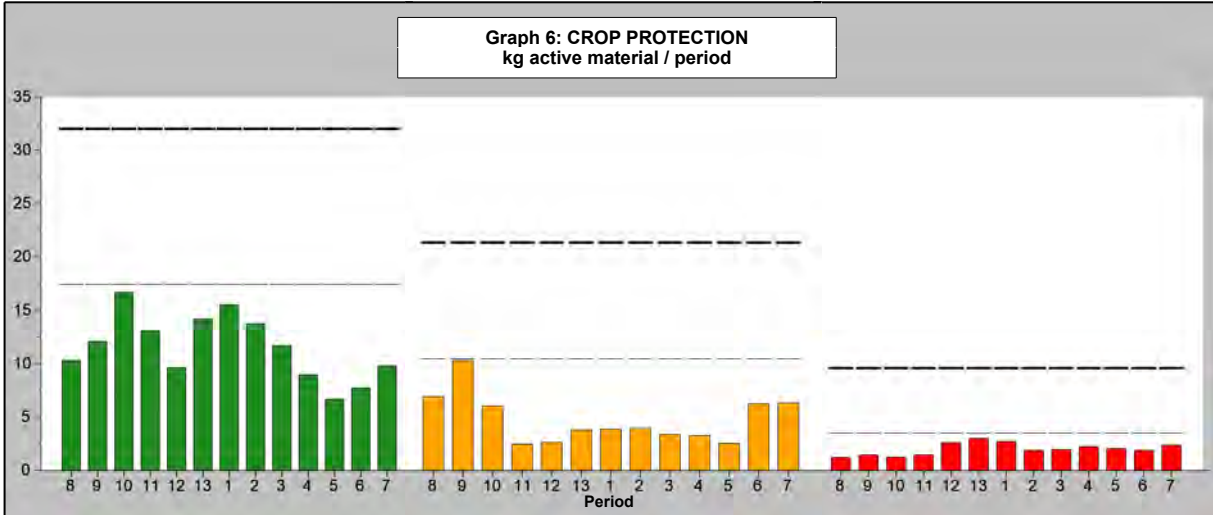
Disclaimer: the purpose of the above mentioned table and graphics is to give an insight in the CO2-emission on company level. The CO2 emission has been based on the energy consumption in GJ and the internationally accepted arithmetic rules. The calculation of the quantity in GJ is based on the calculation system of MPS for the fuel used by the company and the electricity and heating that has been bought and sold. The review serves only as a management tool. No rights can be derived. It is not allowed to use this review for other purposes. In cooperation with (inter)national stakeholders and research organizations MPS is working on further developments concerning CO2. We mainly focus on CO2 emission in the transport chain and the CO2 emission per physical production.

# QUALIFICATION AND PERIOD GRAPHS

MPS company number: **910529/12**  
 Company name: Bondeni Flowers Ltd

Valid: Period 8-2020 until Period 7-2021  
 Version: 18-10-2021

<-----> = Upperlimit <-----> = Lowerlimit





# MPS-Overview Composition of Qualification

MPS company number: **910529/12**  
 Company name: Bondeni Flowers Ltd

Valid: Period 8-2020 until Period 7-2021  
 Version: 18-10-2021

## Overview Environmental zones

Period	8	9	10	11	12	13	1	2	3	4	5	6	7
Environmental	Zone 6	Zone 6	Zone 6	Zone 6	Zone 6	Zone 6	Zone 6	Zone 6	Zone 6	Zone 6	Zone 6	Zone 6	Zone 6

## Company usage of MPS-MIND

Pesticide	Indicator color	active ingredient	Annual company unit use of active substance		
			Green	Amber	Red
Actara 25 WG	●	thiamethoxam			6,877
Amistar 250 SC	●	azoxystrobin		19,255	
Ariane	●	clopyralid			0,003
	●	fluroxypyr		0,010	
	●	mcpa			0,048
Belt 480 SC	●	flubendiamide	4,493		
Chrysal AVB	○	silver thiosulfate			
Chrysal Inicial	○	aluminium sulphate			
	○	sodium dichloroisocyanurate			
Chrysal RVB Clear	○	pretreatment			
Condifor 200	●	imidacloprid			9,966
Cuprocaffaro 500 WP	●	copper oxychloride		15,800	
Decis 25 EC	●	deltamethrin		0,870	
Dynamec 1.8 EC	●	abamectin		2,977	
Farmerzeb 80 WP	●	mancozeb	107,369		
Folicur 250 EC	●	tebuconazole		4,483	
Fungaran	●	copper ii hydroxide		2,200	
Karate 5 CS	●	lambda-cyhalothrin			2,471
Leaf Shine & Seal (Chrysal)	○	leaf shine			
Match 50 EC	●	lufenuron			1,900
Nativo SC 300	●	tebuconazole		2,228	
	●	trifloxistrobin	1,114		
NoPath EW	○	vegetable oil			
Ortiva	●	azoxystrobin		3,511	
Pearl 500 SC	●	carbendazim		9,495	
Revus Top 250 SC	●	mandipropamid	10,145		
Rhizopon AA Poeder 1%	●	indolybutyric acid	0,061		
Ridomil Gold MZ 68 WG	●	mancozeb	2,880		
	●	metalaxyl-m		0,180	
Ridomil Mz 63.5 WP	●	mancozeb	7,000		
	●	metalaxyl			0,938
Rugby 100 ME	●	cadusafos			0,080
Tihan OD 175 Oil Dispersion	●	flubendiamide	1,800		
	●	spirotetramat	1,350		
Touchdown Forte 500 SL	●	glyphosate		0,775	
Tracer 480 SC	●	spinosad	10,320		
Velum Prime SC 500	●	fluopyram	3,895		
Zetabestox 10% EC	●	zeta-cypermethrin			3,700
<b>Annual company unit use of active substance</b>			<b>150,427</b>	<b>61,782</b>	<b>25,982</b>

# OVERVIEW RECORDED DATA

MPS company number: **910529/12**  
 Company name: **Bondeni Flowers Ltd**

Valid: **Period 8-2020 until Period 7-2021**  
 Version: **18-10-2021**

Code	Description	Unit	Period 1	Period 2	Period 3	Period 4	Period 5	Period 6	Period 7	Subtotal	Year total
<b>FORM RECEIVED</b>			yes	yes	yes	yes	yes	yes	yes		
<b>CROP PROTECTION AGENTS</b>											
3250	Actara 25 WG	grams	2583	2334	2228	1655	1842	378	2298	13318	27508
4011	Amistar 250 SC	ml	6920	7020	7020	7020	7020	10430	7020	52450	77020
4035	Ariane	ml									115,385
3687	Belt 480 SC	ml	360	1080	720	720	720	720	720	5040	9360
3623	Chrysal AVB	ml	1000	2000	1000	1000	1000	1000	1000	7000	23000
4119	Chrysal Inicial	grams	23200	22400	21900	22400	20000	21600	21600	153100	305500
4118	Chrysal RVB Clear	ml	50000	90000	70000	40000	30000	40000	30000	350000	600000
3196	Condifor 200	ml	5850	3230	3060	6300	4500	5690	5600	34230	49830
4135	Cuprocaffaro 500 WP	grams						5200	6400	11600	31600
3008	Decis 25 EC	ml	1200	2400	2400	2400	2400	2400	2400	15600	34800
3069	Dynamec 1.8 EC	ml	14970	13770	13170	12110	10450	13910	12470	90850	165400
4044	Farmerzeb 80 WP	grams	14600	11620	9990	8170	4110	7260	8960	64710	134211
3182	Folicur 250 EC	ml	1750	2140	540	1900	1100	700	980	9110	17930
3098	Fungaran	grams									4400
3024	Karate 5 CS	ml	3750	3750	3750	3750	3750	3750	3750	26250	49410
4116	Leaf Shine & Seal (Chrysal)	ml	1320	6260	1160	1880	1500	2300	1620	16040	20010
3260	Match 50 EC	ml	4500	3000	3000	1500	3000	3000	3000	21000	38000
4029	Nativo SC 300	ml	1300	790	1100	400	570	1060	980	6200	11140
4107	NoPath EW	ml			250	380	750	910	2380	4670	9313
3246	Ortiva	ml		40						40	10030
3544	Pearl 500 SC	ml	2300	2140	1900	1370	300	700	1310	10020	18990
4095	Revus Top 250 SC	ml	3750	3850	3750	3750	3455	1875	3750	24180	40580
4130	Rhizopon AA Poeder 1%	grams	500	500	1000	500	500	500		3500	6071
3264	Ridomil Gold MZ 68 WG	grams		2500						2500	4500
3116	Ridomil Mz 63.5 WP	grams	2500		2000		500		500	5500	12500
4132	Rugby 100 ME	ml									800
4139	Tihan OD 175 Oil Dispersion	ml	1500	1500	750	750	2250	1500	1500	9750	18000
3662	Touchdown Forte 500 SL	ml									1550
3251	Tracer 480 SC	ml	1500	1500	1500	1500	2250	1500	1500	11250	21500
4109	Velum Prime SC 500	ml	500	670	730	530	740	60		3230	7790
4131	Zetabestox 10% EC	ml	3000	3000	3000	3000	3000	3000	3000	21000	37000
<b>WATER</b>											
21	Total irrigation	m3	6697	5065	12269	1097	646	8119	8677	42570	89841

# OVERVIEW RECORDED DATA (Continued)

MPS company number: **910529/12**

Company name: **Bondeni Flowers Ltd**

Valid: Period 8-2020 until Period 7-2021

Version: 18-10-2021

Code	Description	Unit	Period 1	Period 2	Period 3	Period 4	Period 5	Period 6	Period 7	Subtotal	Year total
<b>ENERGY</b>											
4	Electricity usage (Total)	kWh	20366	15612	19939	10339	11961	14795	14751	107763	234299
54	Diesel oil/fuel	litres	970	1105	2214	785	400	740	730	6944	12652
6	Green Electricity Usage	kWh	8757	6713	8574	4446	5143	6362	6343	46338	100748
<b>FERTILIZERS</b>											
822	Agri Gypsum Calcium Sulphate	kg	1233	1122	1251	1011	1218,75	1392	1128	8355,75	15681,25
825	Boric Acid 99.5-100.5%	kg	2,583	2,46	2,574	2,534	2,394	2,536	2,838	17,919	33,646
545	Calcium nitrate (nitrate of Lime)	kg	2112,4	2045,4	2127,7	2077,25	1993	2151,6	2310,15	14817,5	28607,75
787	Coptrel 500	litres									0,577
516	Magnesium sulphate	kg	109,63	110,95	111,33	109,27	105,92	112,75	119,29	779,14	1465,24
580	Mono-ammonium phosphate (MAP) 12+61.7+0	kg	80,45	88,33	80,54	79,43	86,97	79,65	86,97	582,34	1111,58
798	Poly-Feed 19+19+19	kg	46,64	45,91	43,35	44,85	45,17	47,81	48,04	321,77	602
537	Potassium nitrate 13+0+45	kg	1248,7	1219,4	1273,25	1239,35	1153,45	1244,25	1341,7	8720,1	16896,6
539	Potassium sulphate	kg	584,25	537,56	566,19	573,07	553,94	600,44	713,31	4128,76	7271,53
729	Sequestrene 6% Fe	kg									0,231
808	Tracel BZ 5+7.5+5	kg									0,115
800	Wuxal Macromix 24+24+18	litres									0,577
797	YaraBela Sulfan 24+0+0+15SO3	kg									173,077
790	YaraVita Zintrac 700	litres	10,5	8,68	8,78	10,56	8,4	10,53	11,7	69,15	142,55
<b>ENVIRONMENTAL CLUSTERS</b>											
		Outdoor crops									
2133	SUMMER/CUTFLOWERS	m2	100910	100910	100910	100910	100910	100910	100910	100910	100910
	Subtotal		100910	100910	100910	100910	100910	100910	100910	100910	100910

## GENERAL INFORMATION FORM

### MPS-Mind

#### Surface water

3900 What is the minimum distance of this location to the nearest surface water?

< 250 metres / < 820 feet

#### Cover

3910 Does the surface of protected cultivation exceed 95% of this location?

no

3901 What is the percentage of protected cultivation for this location (protected surface/total recorded surface for location)?

0 - 25% covered crops

# OVERVIEW RECORDED DATA (Continued)

MPS company number: 910529/12

Company name: Bondeni Flowers Ltd

Valid: Period 8-2020 until Period 7-2021

Version: 18-10-2021

## GENERAL INFORMATION FORM

### MPS-Mind

3909 When a plot used for outdoor crops is close to surface water, is the plot separated from the water by a wind-break or a crop free zone of at least three metres yes

#### Slope

3902 What is the maximum slope of a plot on this location? > 10%

#### Leaching to groundwater

3903 Do you grow more than 95% of your crops in a closed (recirculation) system, with less than 3% loss of drainwater? No

3904 What is the minimum depth of the groundwater on all your plot(s)? <= 3 metres / <= 9,8 feet

3905 What is the lowest percentage of organic material of your soil on all your plots of this location? 1,5 - 3%

3906 What is the average annual rainfall? (if not known, enter nothing) 600 - 1500 mm annually / 23 - 59 inch

3907 How many months per year may be regarded as exceptionally dry (less than 2% of the annual precipitation)? 2 - 6 months

3908 What is the average day and night temperature over a whole year? (if not known, enter nothing) < 20 degrees C / 68 degrees F on aver

### Water management

45 Do you collect rainwater? No

47 Do you collect leaking water while working with chemicals? Yes

49 Do you record water use? No

50 Do you use drip irrigation or recirculation? Yes

### Waste management

41 Do you process organic waste in a responsible way? Yes

42 Do you process paper waste in a responsible way? Yes

43 Do you process plastic waste in a responsible way? Yes

44 Do you process chemical waste in a responsible way? Yes

# OVERVIEW RECORDED DATA

MPS company number: **910529/12**  
 Company name: **Bondeni Flowers Ltd**

Valid: **Period 8-2020 until Period 7-2021**  
 Version: **18-10-2021**

Code	Description	Unit	Period 8	Period 9	Period 10	Period 11	Period 12	Period 13	Subtotal
<b>FORM RECEIVED</b>			yes	yes	yes	yes	yes	yes	
<b>CROP PROTECTION AGENTS</b>									
3250	Actara 25 WG	grams	2114	2733	1698	2084	2120	3441	14190
4011	Amistar 250 SC	ml	3510	3510	3510	3510	3510	7020	24570
4035	Ariane	ml	38,462	38,462	38,462				115,386
3687	Belt 480 SC	ml	720	720	720	360	720	1080	4320
3623	Chrysal AVB	ml	2000	1000	1000	3000	4000	5000	16000
4119	Chrysal Inicial	grams	20400	23200	22400	21600	24000	40800	152400
4118	Chrysal RVB Clear	ml	50000	20000	20000	50000	60000	50000	250000
3196	Condifor 200	ml				1500	6000	8100	15600
4135	Cuprocaffaro 500 WP	grams	3200	12800	4000				20000
3008	Decis 25 EC	ml	3600	2400	4800	2400	2400	3600	19200
3069	Dynamec 1.8 EC	ml	11700	14250	7190	12500	11710	17200	74550
4044	Farmerzeb 80 WP	grams	9245	10256	17221	12950	6870	12960	69502
3182	Folicur 250 EC	ml	330	2300	1900	950	640	2700	8820
3098	Fungaran	grams	4400						4400
3024	Karate 5 CS	ml	4380	5630	1880	3750	3760	3760	23160
4116	Leaf Shine & Seal (Chrysal)	ml	420	480	600	780	720	970	3970
3260	Match 50 EC	ml	2000	3000	3000	3000	4500	1500	17000
4029	Nativo SC 300	ml	960	320	900	900	760	1100	4940
4107	NoPath EW	ml	2100	756	1656		130		4642
3246	Ortiva	ml	1410	1410	2820	1410	1530	1410	9990
3544	Pearl 500 SC	ml	2170	1810	2550	640	1250	550	8970
4095	Revus Top 250 SC	ml	3750	3750	1390		3750	3760	16400
4130	Rhizopon AA Poeder 1%	grams	1048		524	500	500		2572
3264	Ridomil Gold MZ 68 WG	grams				2000			2000
3116	Ridomil Mz 63.5 WP	grams		2000	1500		2000	1500	7000
4132	Rugby 100 ME	ml	800						800
4139	Tihan OD 175 Oil Dispersion	ml	900	1800	1800	750	1500	1500	8250
3662	Touchdown Forte 500 SL	ml	200	1350					1550
3251	Tracer 480 SC	ml	2000	1500	1500	1500	2250	1500	10250
4109	Velum Prime SC 500	ml	850	870	570	680	660	930	4560
4131	Zetabestox 10% EC	ml	2500	1500	4500	3000	3000	1500	16000
<b>WATER</b>									
21	Total irrigation	m3	7995	7576	8067	7891	5863	9879	47271

# OVERVIEW RECORDED DATA (Continued)

MPS company number: **910529/12**

Company name: **Bondeni Flowers Ltd**

Valid: Period 8-2020 until Period 7-2021

Version: 18-10-2021

Code	Description	Unit	Period 8	Period 9	Period 10	Period 11	Period 12	Period 13	Subtotal
------	-------------	------	-------------	-------------	--------------	--------------	--------------	--------------	----------

## ENERGY

4	Electricity usage (Total)	kWh	26603	21019	19124	23234	15641	20915	126536
54	Diesel oil/fuel	litres	563	730	990	770	855	1800	5708
6	Green Electricity Usage	kWh	11439	9038	8223	9991	6726	8993	54410

## FERTILIZERS

822	Agri Gypsum Calcium Sulphate	kg	1383	1138	946,5	1062	1194	1602	7325,5
825	Boric Acid 99.5-100.5%	kg	2,274	2,532	2,501	2,353	2,611	3,456	15,727
545	Calcium nitrate (nitrate of Lime)	kg	1896,1	2322,6	2269,05	2248,4	2226,2	2827,9	13790,25
787	Coptrel 500	litres	0,192	0,192	0,192				0,576
516	Magnesium sulphate	kg	96,34	111,25	128,71	84,11	118,02	147,67	686,1
580	Mono-ammonium phosphate (MAP) 12+61.7+0	kg	71,44	100,52	77,92	82,01	93,06	104,29	529,24
798	Poly-Feed 19+19+19	kg	46,88	45,15	45,97	38,47	47,1	56,66	280,23
537	Potassium nitrate 13+0+45	kg	1116,7	1381,15	1355,2	1306,5	1327,25	1689,7	8176,5
539	Potassium sulphate	kg	474,07	471,38	505,38	418,07	498,56	775,31	3142,77
729	Sequestrene 6% Fe	kg	0,077	0,077	0,077				0,231
808	Tracel BZ 5+7.5+5	kg	0,038	0,038	0,038				0,114
800	Wuxal Macromix 24+24+18	litres	0,192	0,192	0,192				0,576
797	YaraBela Sulfan 24+0+0+15SO3	kg	57,692	57,692	57,692				173,076
790	YaraVita Zintrac 700	litres	11,83	20,75	9,25	9,28	8,95	13,34	73,4

## ENVIRONMENTAL CLUSTERS

	Outdoor crops								
2133	SUMMER/CUTFLOWERS	m2	100910	100910	100910	100910	100910	100910	100910
	Subtotal		100910	100910	100910	100910	100910	100910	100910

# CO2 Indicator

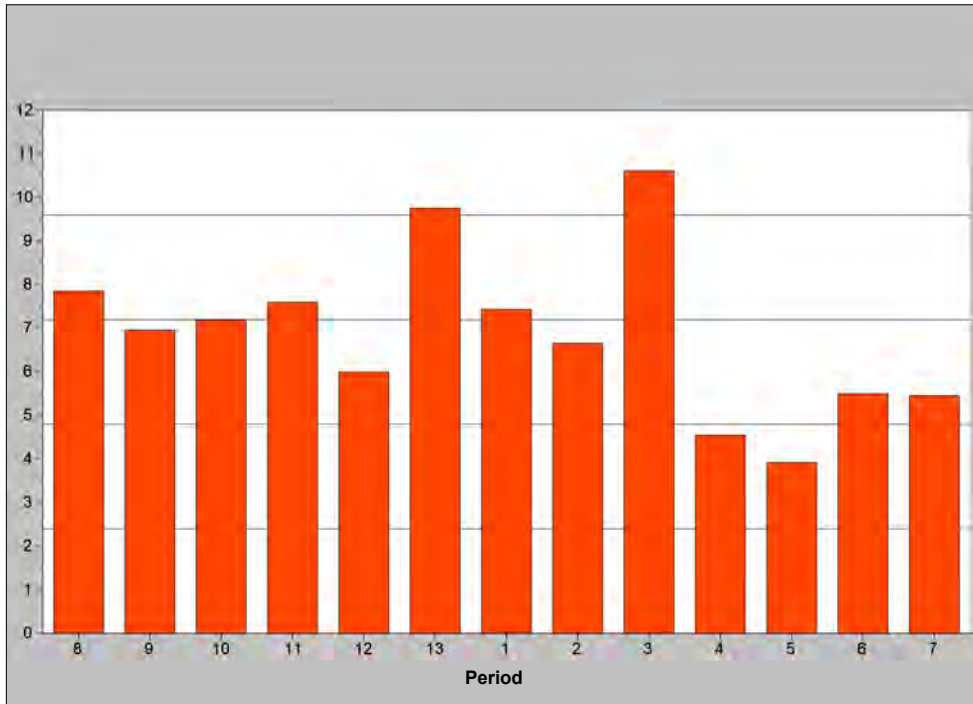
MPS company number: **910529/12**  
 Company name: Bondeni Flowers Ltd

Valid: Period 8-2020 until Period 7-2021  
 Version: 18-10-2021

**Review CO2-emission per energy source per year (x 1000 kg)**

Code		CO2 production (x 1000)
4	Electricity usage (Total)	98
54	Diesel oil/fuel	33
6	Green Electricity Usage	-42
<b>Total</b>		<b>89</b>

**Review CO2-emission per period (x 1000 kg)**



Disclaimer: the purpose of the above mentioned table and graphics is to give an insight in the CO2-emission on company level. The CO2 emission has been based on the energy consumption in GJ and the internationally accepted arithmetic rules. The calculation of the quantity in GJ is based on the calculation system of MPS for the fuel used by the company and the electricity and heating that has been bought and sold. The review serves only as a management tool. No rights can be derived. It is not allowed to use this review for other purposes. In cooperation with (inter)national stakeholders and research organizations MPS is working on further developments concerning CO2. We mainly focus on CO2 emission in the transport chain and the CO2 emission per physical production.