

# Certificate

MPS-ECAS awards this certificate in accordance with the certification scheme MPS ABC version 15 080217, to:

**Ugaroses Flowers Ltd.  
P.O. Box 2487  
Kampala  
Uganda  
MPS-number: 801423**

Applicable to environmental clusters:  
ROSE

Validity: **20-5-2019 until 11-8-2019**  
Total points: **92,1**  
Qualification: **A+**

Kind regards,  
MPS-ECAS

Signature:

Date of issue:  
27-5-2019



Ing. C. Maas

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

**MPS-ECAS**  
Certification



# QUALIFICATION AND PERIOD GRAPHS

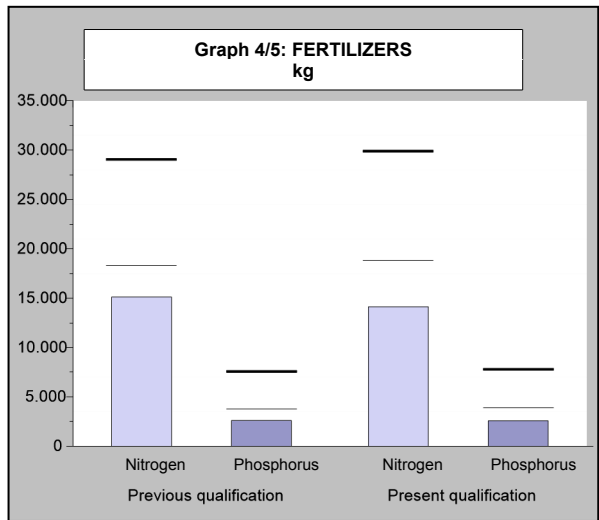
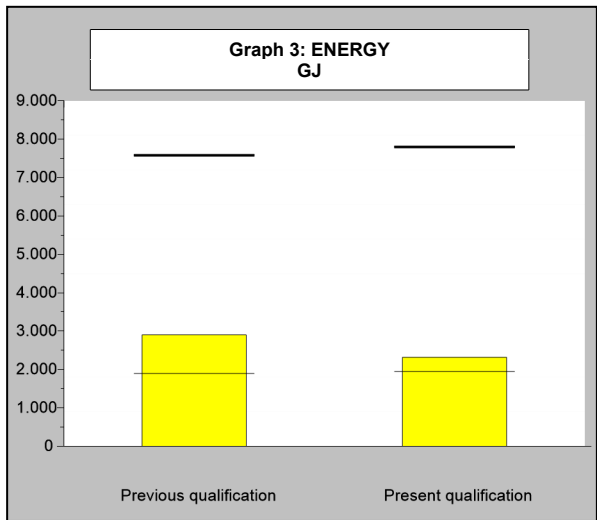
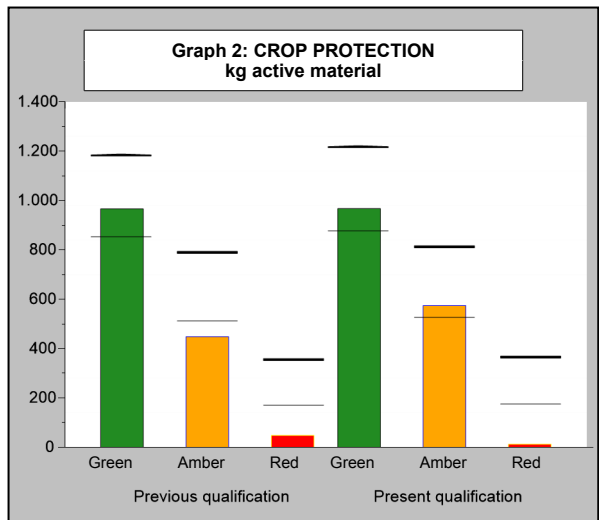
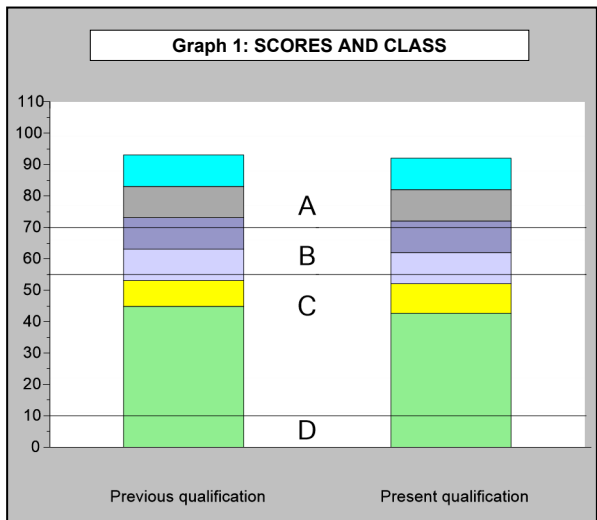
MPS company number: **801423/01**  
 Company name: Ugaroses Flowers Ltd. (total)

Valid: Period 5-2018 until Period 4-2019  
 Version: 27-5-2019

**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	877,5-1218,8 kg	967,4	11	15			
	Amber	526,5-812,5 kg	574,5	16,6	20			
	Red	175,5-365,6 kg	12,4	15	15			
total				42,7	50	85 %	85,3 %	yes
Energy total		1950-7800 GJ	2318,3	9,4	10	75 %	93,7 %	yes
Fertilizers	Nitrogen	18850-29900 kg	14140,8	10	10			
	Phosphorus	3900-7800 kg	2590,9	10	10			
total				20	20	75 %	100 %	yes
Waste		0-130	130	10	10			
Water		0-130	130	10	10			
Certified parental material				0	10			
Total score (points)				92,1	110	90	92,1	yes
COMPANY QUALIFICATION				A+				

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

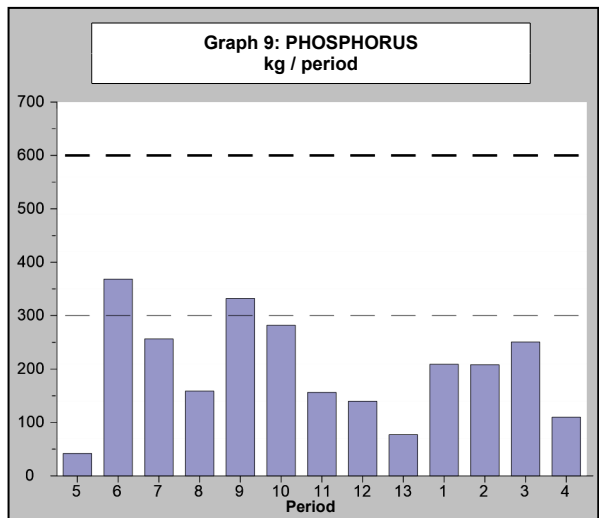
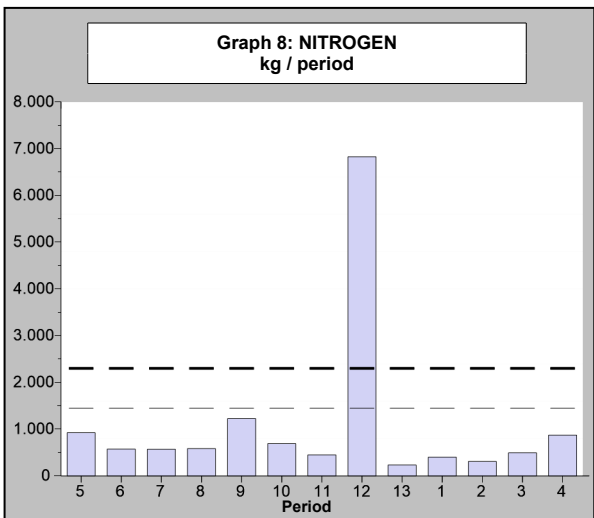
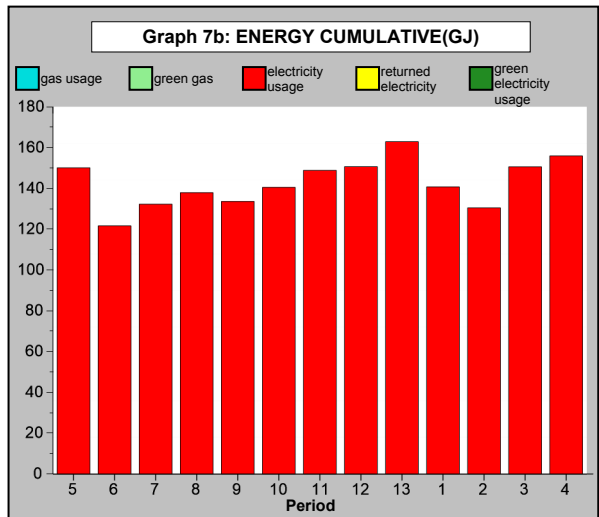
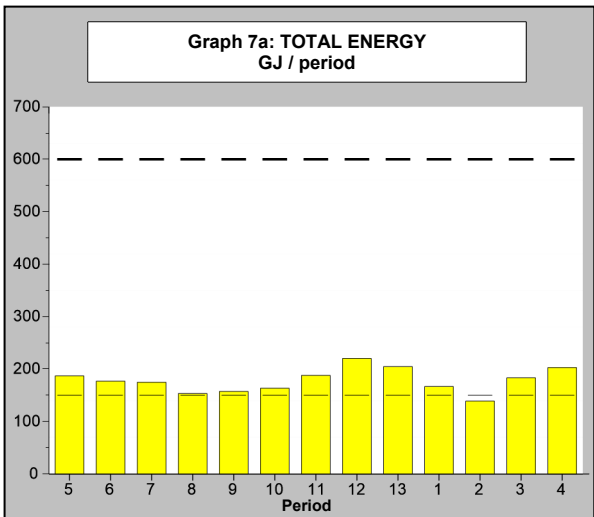
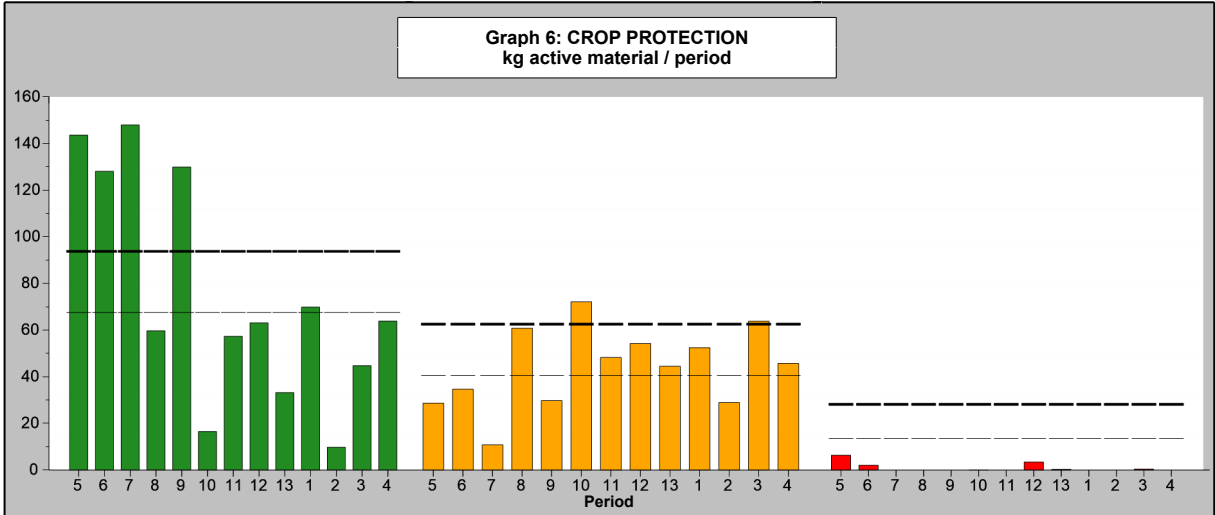


# QUALIFICATION AND PERIOD GRAPHS

MPS company number: **801423/01**  
 Company name: Ugaroses Flowers Ltd. (total)

Valid: Period 5-2018 until Period 4-2019  
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<-----> = Upperlimit <-----> = Lowerlimit



# MPS-Overview Composition of Qualification

MPS company number: **801423/01**  
 Company name: Ugaroses Flowers Ltd. (total)

Valid: Period 5-2018 until Period 4-2019  
 Version: 27-5-2019

## Composition of points MPS environmentally certified parental material

Certified parental material	(Average) area	Your Points	Max points
Total cultivated area 1)	130000 m2		
Area certified parental material MPS-ABC	0 m2	0	10
Area certified parental material GLOBALGAP	0 m2	0	5
Total points for Certified parental material		0	10

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

## Overview Environmental zones

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

## Company usage of MPS-MIND

Pesticide	Indicator color	active ingredient	Annual company use of active substance		
			Green	Amber	Red
Abamectin	●	abamectin		0,540	
Ace 750 WSP	●	acephate	1,500		
Admiral	●	pyriproxyfen		0,900	
Aliette 80 WP	●	fosetyl-aluminium	284,800		
Aluminium sulphate	○	aluminium sulphate			
Amisil	○	siliconen			
Antracol 70 WP	●	propineb	35,700		
Apollo 50 SC	●	clofentezin		22,900	
Asataf 75 SP	●	acephate	12,000		
Baycor 300 EC	●	bitertanol	0,886		
Bellis 38 WG	●	boscalid	5,292		
	●	pyraclostrobin	2,688		
Belt	●	flubendiamide	5,760		
Bio Nematon	○	paecilomyces lilacinus			
BotaniGard ES	○	beauveria bassiana			
Calypso SC 480	●	thiacloprid		0,768	
Captan 80 WP	●	captan		24,000	
Chlorine 65%	●	calciumhypochlorite		275,990	
Control 70 WDG	●	thiophanate-methyl	17,436		
Coragen 20 SC	●	choantraniliprole		0,002	
Daconil (720)	●	chlorothalonil	10,800		
Dimilin 25 WP	●	diflubenzuron	1,250		
Evisect S	●	thiocyclam hydrogen oxalate		2,000	
Flint 50 WG	●	trifloxistrobin	4,000		
Folicur 250 EC	●	tebuconazole		3,808	
Golan 20 SP (vast)	●	acetamiprid		9,354	
Impulse EC 500	●	spiromamine		131,500	
Infinito SC 687.5	●	fluopicolide		0,085	
	●	propamocarb	0,848		
Jik	○	sodium hypochlorite			
Kanemite 15 SC	●	acequinocyl	0,790		
Kobe 1.2 SL	○	plant extract			
Levo 2.4 SL	●	oxymatrine		0,336	
Luna Sensation	●	fluopyram	5,285		
	●	trifloxistrobin	5,285		
Mancozeb	●	mancozeb	256,000		
Match 50 EC	●	lufenuron			0,750

# MPS-Overview Composition of Qualification

MPS company number: **801423/01**  
 Company name: Ugaroses Flowers Ltd. (total)

Valid: Period 5-2018 until Period 4-2019  
 Version: 27-5-2019

## Company usage of MPS-MIND

Pesticide	Indicator color	active ingredient	Annual company use of active substance		
			Green	Amber	Red
Melody duo 69	●	iprovalicarb	11,700		
Melody duo 69	●	propineb	78,000		
Milraz 76 WP	●	cymoxanil	2,520		
	●	propineb	29,400		
Mospilan 200 SP	●	acetamiprid		0,600	
Movento OD 150	●	spirotetramat	0,105		
Oberon	●	spiromesifen	19,488		
Pegasus 500 SC	●	diafenthiurion		8,500	
Previcur N	●	propamocarb hydrochloride	117,253		
Proplant	●	propamocarb hydrochloride	19,783		
Protect	●	acetamiprid		79,800	
Prove 1.9 EC	●	emamectin benzoate		1,450	
Ridomil Gold	●	mancozeb	6,720		
	●	metalaxyl		0,420	
Rooting hormone 0.6%	●	indolylbutyric acid	0,125		
Round-up (480)	●	glyphosate		11,520	
Rovral 250 flow	●	iprodione			8,400
Secure 36 SC	●	chlorfenapyr			3,240
Silwet gold	○	siliconen			
Thiovit wp	○	sulfur/sulphur			
Thiram 80 WP	●	thiram	32,000		
<b>Annual company use of active substance</b>			<b>967,413</b>	<b>574,473</b>	<b>12,390</b>

# OVERVIEW RECORDED DATA

MPS company number: **801423/01**

Company name: **Ugaroses Flowers Ltd. (total)**

Valid: Period 5-2018 until Period 4-2019

Version: 27-5-2019

Code	Description	Unit	Period 11	Period 12	Period 13	Period 1	Period 2	Period 3	Period 4	Subtotal	Year total
<b>FORM RECEIVED</b>			yes	yes	yes	yes	yes	yes	yes		
<b>CROP PROTECTION AGENTS</b>											
3336	Abamectin	ml	6000	20					955	6975	29975
3329	Ace 750 WSP	gram									2000
3618	Admiral	ml									9000
3085	Aliette 80 WP	gram		30000	20000	50000		20000	20000	140000	356000
3172	Aluminium sulphate	gram	2000	9700	8200	31500	25000	35000	30000	141400	156400
3684	Amisil	ml	59600	55600	34800	77400	77600	78400	46400	429800	774500
3023	Antracol 70 WP	gram	16000	6000				19000	10000	51000	51000
3068	Apollo 50 SC	ml		3000						3000	45800
3771	Asataf 75 SP	gram									16000
3031	Baycor 300 EC	ml									2953
3564	Bellis 38 WG	gram							6000	6000	21000
3585	Belt	ml	700				1600		700	3000	12000
3741	Bio Nematon	ml	20000							20000	200000
3577	BotaniGard ES	ml	8000	12000	14000	8000	26000			68000	108953
3375	Calypso SC 480	ml									1600
3369	Captan 80 WP	gram			20000				10000	30000	30000
3331	Chlorine 65%	gram	40000	45000	20600	32000		53000	40000	230600	424600
3697	Control 70 WDG	gram	24					3648	11534	15206	24908
3721	Coragen 20 SC	ml		12						12	12
3435	Daconil (720)	ml									15000
3134	Dimilin 25 WP	gram									5000
3012	Evisect S	gram									4000
3306	Flint 50 WG	gram	500							500	8000
3182	Folicur 250 EC	ml						12250		12250	15230
3826	Golan 20 SP (vast)	gram				10000				10000	46770
3311	Impulse EC 500	ml	12000	16500	15000	21000	15750	30750	18000	129000	263000
3662	Infinito SC 687.5	ml									1356
3140	Jik	gram	2000	50			1250	2250		5550	18300
3728	Kanemite 15 SC	ml			3000		2000			5000	5000
3896	Kobe 1.2 SL	ml									6000
3719	Levo 2.4 SL	ml	2588			5000	5000			12588	14000
3714	Luna Sensation	ml	3700							3700	21140
3259	Mancozeb	gram							20000	20000	320000
3260	Match 50 EC	ml		10000	5000					15000	15000
3454	Melody duo 69	gram			20000	16000	4000		10000	50000	130000
3045	Milraz 76 WP	gram	16000	6000						22000	42000
3763	Mospilan 200 SP	gram							3000	3000	3000

# OVERVIEW RECORDED DATA (Continued)

MPS company number: **801423/01**

Company name: Ugaroses Flowers Ltd. (total)

Valid: Period 5-2018 until Period 4-2019

Version: 27-5-2019

Code	Description	Unit	Period 11	Period 12	Period 13	Period 1	Period 2	Period 3	Period 4	Subtotal	Year total
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## CROP PROTECTION AGENTS (Continued)

3664	Movento OD 150	ml									700
3436	Oberon	ml	4000	4000			4200	8000		20200	81200
3249	Pegasus 500 SC	ml	13200	3800						17000	17000
3075	Previcur N	ml	20110	18520	4000	26000	6360	10640	10000	95630	162400
3296	Proplant	ml						4500		4500	27400
3642	Protect	gram	10000	14000	8000	20000	22000			74000	84000
3683	Prove 1.9 EC	ml						66200	9300	75500	75500
3264	Ridomil Gold	gram					500			500	10500
3156	Rooting hormone 0.6%	gram	1500	2500			1000	2000	1000	8000	20750
3077	Round-up (480)	ml						20000	4000	24000	24000
3054	Rovral 250 flow	ml									33600
3089	Secure 36 SC	ml		8000				1000		9000	9000
3609	Silwet gold	ml									63300
3081	Thiovit wp	gram									30000
3056	Thiram 80 WP	gram	20000	20000						40000	40000

## WATER

21	Total irrigation	m3	32020	23190	11450	24204	22540	31240	29020	173664	315064
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## ENERGY

4	Electricity usage (Total)	kWh	16542	16743	18102	15641	14501	16738	17324	115591	206274
54	Diesel oil/fuel	litre	1100	1960	1180	729	240	920	1320	7449	13009

## FERTILIZERS

543	Calcium ammonium nitrate	kg		23190			34	50	1985	25259	30723,2
909	Calcium chloride	kg									437
545	Calcium nitrate (nitrate of Lime)	kg	1479,6	1742	736,1	1518,5	1843,9	1687,6	1300	10307,7	19540,4
971	EcoKsil 0+0+19.8	litre			0,015	19,905				19,92	19,92
530	Fe EDTA-K 13%	kg			16,15	8,85	25	40	59	149	296,98
914	Ferrilene 4.8	kg						60		60	60
687	Libfer EDDHA 6% Fe	kg	80	92		12				184	352
572	Magnesium nitrate	kg	450		200,2	1480,4	19,6		746	2896,2	4852,4
516	Magnesium sulphate	kg	1397,6	1452,4	850,4	1229,6	1398,6	1201	450	7979,6	16877,6
575	Manganese sulphate	kg	115	98	42	24				279	449
634	Microfeed 101	kg	101	50						151	328,88
943	Mn Chelate 13%	kg									21

# OVERVIEW RECORDED DATA (Continued)

MPS company number: **801423/01**  
 Company name: Ugaroses Flowers Ltd. (total)

Valid: Period 5-2018 until Period 4-2019  
 Version: 27-5-2019

Code	Description	Unit	Period 11	Period 12	Period 13	Period 1	Period 2	Period 3	Period 4	Subtotal	Year total
<b>FERTILIZERS (Continued)</b>											
580	Mono-ammonium phosphate (MAP) 12+61.7+0	kg	581,5	155,2	1,8	2,5	1	5,2		747,2	5254
581	Mono-potassium phosphate (MKP) 0+52.29+33.98	kg		429,5	336	914	912	1021,5	482	4095	5035
346	Nitric acid 38%	litre		85						85	85
738	Nitric Acid 68%	litre	10		60	5	50	20	70	215	755
892	NPK 12+10+18	kg						375		375	375
333	Phosphoric acid 59%	litre									50
537	Potassium nitrate 13+0+45	kg	751,3	2070,2	650			1297,8	300,7	5070	11148,9
590	Sequestrene FE 138	kg						32		32	43
956	Veni Shine HC 9+0+6	litre		4						4	75

## ENVIRONMENTAL CLUSTERS

		Indoor crops							
2014	ROSE	m2	130000	130000	130000	130000	130000	130000	130000
		Subtotal	130000	130000	130000	130000	130000	130000	130000

## GENERAL INFORMATION FORM

### MPS-Mind

#### Surface water

3900 What is the minimum distance of these fields to the nearest surface water? < 250 metres / < 820 feet

#### Cover

3910 Does the surface of covered crops exceed 95% of this part registration? Yes

#### Slope

3902 What is the maximum slope of a field in this part registration? 3 - 10%

#### Leaching to groundwater

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

3904 What is the minimum depth of the groundwater, taken over all your fields? >= 15 metres / >= 49,2 feet

3905 What is the lowest percentage of organic matter of your soil, taken over all your fields of this part registration? < 1,5%

3906 What is the average precipitation per annum? (if unknown, please leave blank) > 1500 mm annually / > 59 inch annua

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 unknown, please leave blank) < 20 degrees C / 68 degrees F



## OVERVIEW RECORDED DATA (Continued)

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### GENERAL INFORMATION FORM

#### Water management

45	Is rainwater being collected?	Yes
47	Do you collect leaking water while working with chemicals?	Yes
49	Do you record water use?	Yes
50	Do you use drip irrigation or recirculation?	Yes

#### Waste management

41	Is organic waste being processed in a responsible way?	Yes
42	Is paper being processed in a responsible way?	Yes
43	Is plastic being processed in a responsible way?	Yes
44	Is chemical waste being processed in a responsible way?	Yes

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<b>FORM RECEIVED</b>			yes	yes	yes	yes	yes	yes	
<b>CROP PROTECTION AGENTS</b>									
3336	Abamectin	ml			15000			8000	23000
3329	Ace 750 WSP	gram					2000		2000
3618	Admiral	ml		9000					9000
3085	Aliette 80 WP	gram	64000	39000	40000		60000	13000	216000
3172	Aluminium sulphate	gram	9500			3500	2000		15000
3684	Amisil	ml	54000	65900		73600	81200	70000	344700
3023	Antracol 70 WP	gram							
3068	Apollo 50 SC	ml	12000	13800		4000	13000		42800
3771	Asataf 75 SP	gram			8000	8000			16000
3031	Baycor 300 EC	ml	2953						2953
3564	Bellis 38 WG	gram		14000	1000				15000
3585	Belt	ml			5000		4000		9000
3741	Bio Nematon	ml			50000		130000		180000
3577	BotaniGard ES	ml	2953	18000			4000	16000	40953
3375	Calypso SC 480	ml		1600					1600
3369	Captan 80 WP	gram							
3331	Chlorine 65%	gram	11500	8500		75500	19000	79500	194000
3697	Control 70 WDG	gram		9600				102	9702
3721	Coragen 20 SC	ml							
3435	Daconil (720)	ml					15000		15000
3134	Dimilin 25 WP	gram					5000		5000
3012	Evisect S	gram				4000			4000
3306	Flint 50 WG	gram	3000			2500	2000		7500
3182	Folicur 250 EC	ml		2980					2980
3826	Golan 20 SP (vast)	gram		6750	23270	4750	2000		36770
3311	Impulse EC 500	ml	29500	36750	11750	13500	20950	21550	134000
3662	Infinito SC 687.5	ml	1356						1356
3140	Jik	gram	750	2250	1500	3000	2000	3250	12750
3728	Kanemite 15 SC	ml							
3896	Kobe 1.2 SL	ml			6000				6000
3719	Levo 2.4 SL	ml						1412	1412
3714	Luna Sensation	ml		4140	9600	2400	1300		17440
3259	Mancozeb	gram	58000	90000	77000	25000	50000		300000
3260	Match 50 EC	ml							
3454	Melody duo 69	gram		10000	52000	18000			80000
3045	Milraz 76 WP	gram	20000						20000
3763	Mospilan 200 SP	gram							

# OVERVIEW RECORDED DATA (Continued)

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Code	Description	Unit	Period 5	Period 6	Period 7	Period 8	Period 9	Period 10	Subtotal
<b>CROP PROTECTION AGENTS (Continued)</b>									
3664	Movento OD 150	ml	12	688					700
3436	Oberon	ml		10000	14420	20580	4000	12000	61000
3249	Pegasus 500 SC	ml							
3075	Previcur N	ml	31120	120	90	10160	20970	4310	66770
3296	Proplant	ml			1900	9000	12000		22900
3642	Protect	gram						10000	10000
3683	Prove 1.9 EC	ml							
3264	Ridomil Gold	gram	8000	2000					10000
3156	Rooting hormone 0.6%	gram	250	1000	2500	4000	2000	3000	12750
3077	Round-up (480)	ml							
3054	Rovral 250 flow	ml	25310	8080				210	33600
3089	Secure 36 SC	ml							
3609	Silwet gold	ml			63300				63300
3081	Thiovit wp	gram			10000		20000		30000
3056	Thiram 80 WP	gram							
<b>WATER</b>									
21	Total irrigation	m3	16160	21860	24790	21060	28090	29440	141400
<b>ENERGY</b>									
4	Electricity usage (Total)	kWh	16680	13516	14702	15324	14849	15612	90683
54	Diesel oil/fuel	litre	1040	1560	1200	440	670	650	5560
<b>FERTILIZERS</b>									
543	Calcium ammonium nitrate	kg	1960	40	1214,2	250	2000		5464,2
909	Calcium chloride	kg		437					437
545	Calcium nitrate (nitrate of Lime)	kg	1522,8	1477,3		1726,6	2076	2430	9232,7
971	EcoKsil 0+0+19.8	litre							
530	Fe EDTA-K 13%	kg	48,05	46,15	3,08	36,35	14,35		147,98
914	Ferrilene 4.8	kg							
687	Libfer EDDHA 6% Fe	kg			12	48	60	48	168
572	Magnesium nitrate	kg	1000,2	0,5	5,5			950	1956,2
516	Magnesium sulphate	kg	1350,4	1455,2	1199,8	1400,8	1697,2	1794,6	8898
575	Manganese sulphate	kg					50	120	170
634	Microfeed 101	kg		52	1,88		25	99	177,88
943	Mn Chelate 13%	kg	12		9				21

# OVERVIEW RECORDED DATA (Continued)

MPS company number: **801423/01**

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Code	Description	Unit	Period 5	Period 6	Period 7	Period 8	Period 9	Period 10	Subtotal
<b>FERTILIZERS (Continued)</b>									
580	Mono-ammonium phosphate (MAP) 12+61.7+0	kg	156,3	1369,8	432,3	315,7	1184,7	1048	4506,8
581	Mono-potassium phosphate (MKP) 0+52.29+33.98	kg			563	318	59		940
346	Nitric acid 38%	litre							
738	Nitric Acid 68%	litre	150	75	50	75	100	90	540
892	NPK 12+10+18	kg							
333	Phosphoric acid 59%	litre			45	5			50
537	Potassium nitrate 13+0+45	kg		1200,6	1375	1452,2	1550,5	500,6	6078,9
590	Sequestrene FE 138	kg			11				11
956	Veni Shine HC 9+0+6	litre				60		11	71

## ENVIRONMENTAL CLUSTERS

2014 ROSE	Indoor crops	m2	130000	130000	130000	130000	130000	130000	130000
	Subtotal		130000	130000	130000	130000	130000	130000	130000

# CO2 Indicator

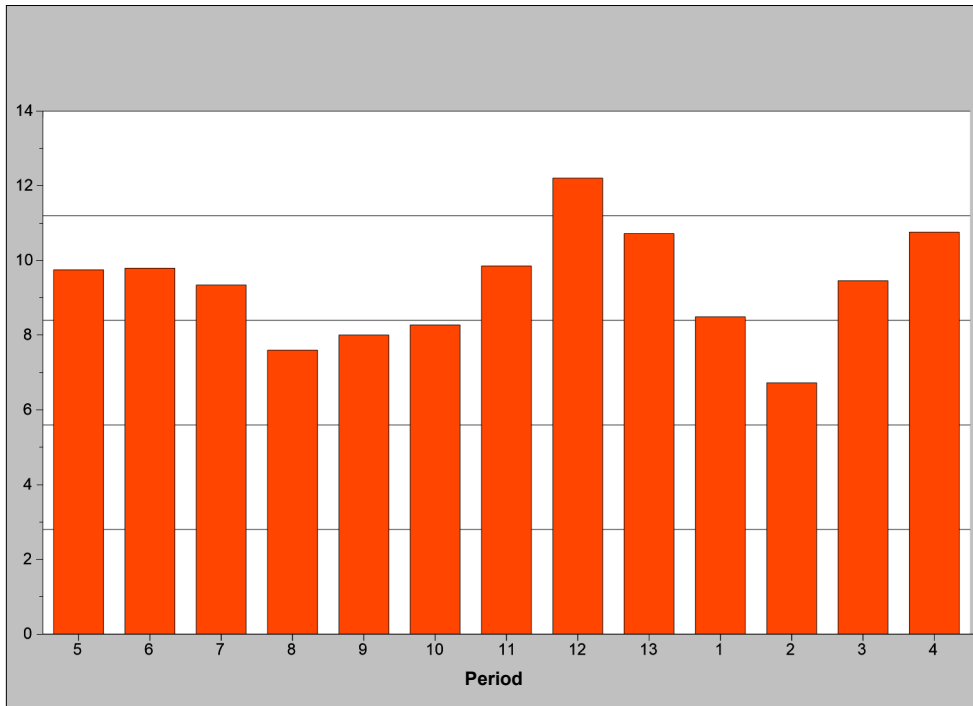
MPS company number: **801423/01**  
 Company name: Ugaroses Flowers Ltd.

Valid: Period 5-2018 until Period 4-2019  
 Version: 27-5-2019

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

Code		CO2 production (x 1000)
4	Electricity usage (Total)	87
54	Diesel oil/fuel	34
<b>Total</b>		<b>121</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.