



Certificate

MPS-ECAS awards this certificate in accordance with the certification standard MPS-ABC version 16.1, to:

**Rosa-Danica A/S
Kertemindevejen 33
5290 MARSLEV
Denmark
MPS-number: 760004**

Applicable to environmental clusters:
POT PLANTS 5; POT PLANTS 5 par-mat; POT PLANTS 12

Validity: **6-11-2023 valid up to and including 28-1-2024**
Total points: **109,7**
Qualification: **A+**

Kind regards,
MPS-ECAS

Signature:

Date of issue:
6-11-2023

Drs. R. Landsmeer, Manager Operations

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: **760004/01**
Company name: Rosa-Danica A/S (total)

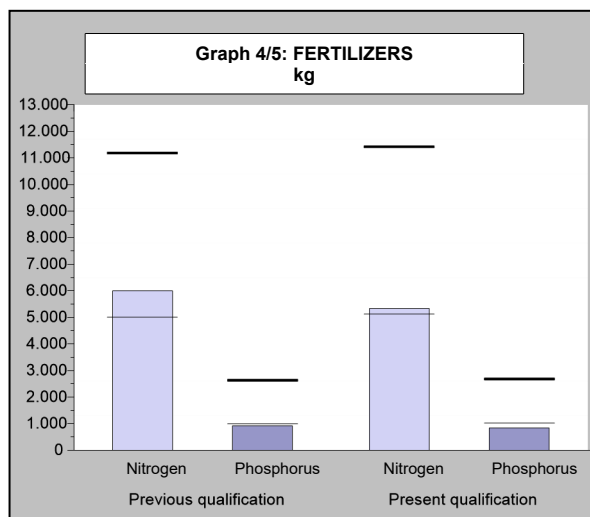
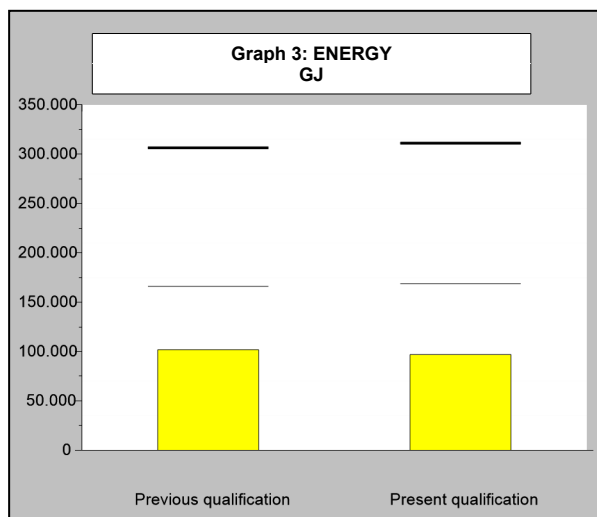
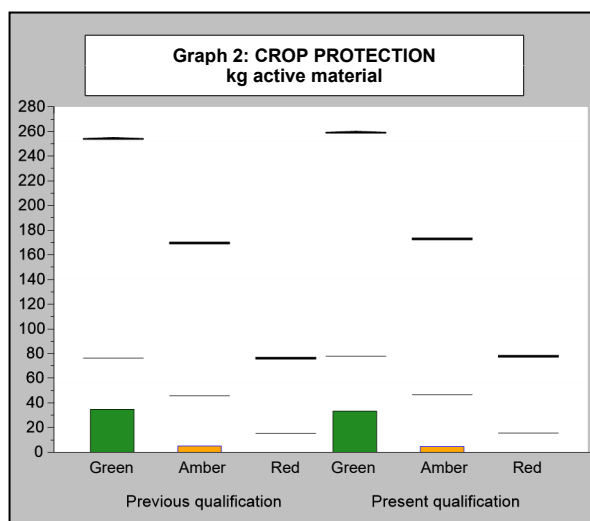
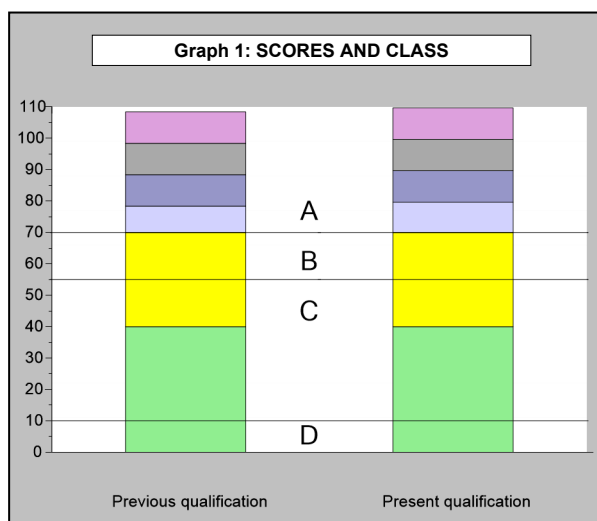
Valid: Period 11-2022 until Period 10-2023
Version: 6-11-2023

Table 1: DATA QUALIFICATIONS

SUBJECT		Your Company standard	Your use	Your points	max. points	A+ standard	A+ score	Obtained
		Lower- Upper limit						
Crop protection	Green	77,9-259,5 kg	33,4	12	12			
	Amber	46,7-173 kg	4,7	16	16			
	Red	15,6-77,9 kg	0	12	12			
total				40	40	85 %	100 %	yes
Energy total		168788,6-311181,6 GJ	96962,7	30	30	75 %	100 %	yes
Fertilizers	Nitrogen	5128,6-11422,8 kg	5333,8	9,7	10			
	Phosphorus	1025,7-2683,5 kg	841,4	10	10			
total				19,7	20	75 %	98,3 %	yes
Waste		0-130	130	10	10			
Water								
Certified parental material				10	10			
Total score (points)				109,7	110	90	109,7	yes
COMPANY QUALIFICATION				A+				

COMPANY USAGE PER 13 PERIODS

<-----> = Upper limit <.....> = Lower limit

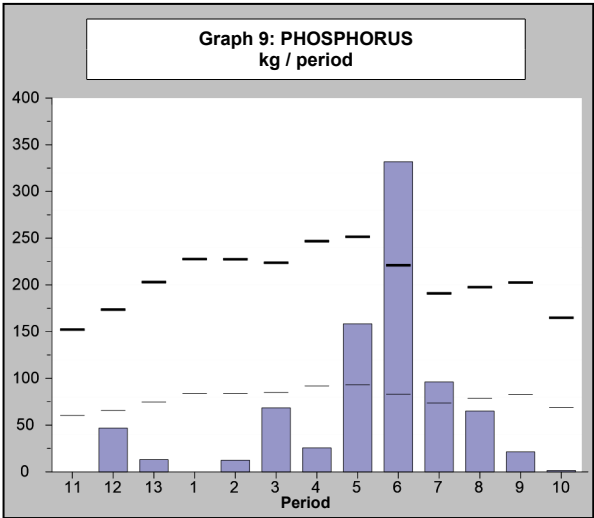
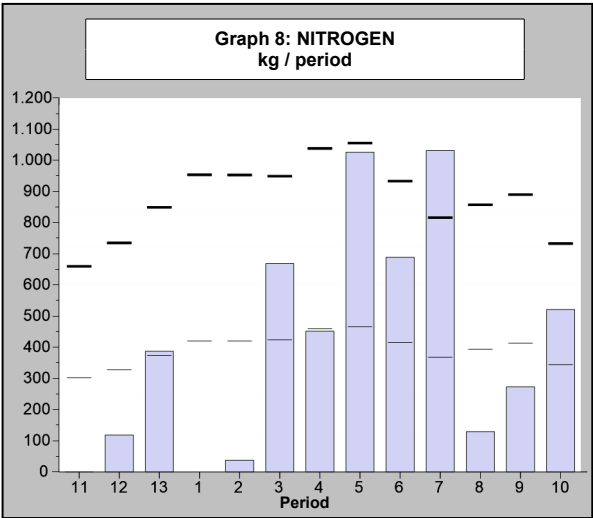
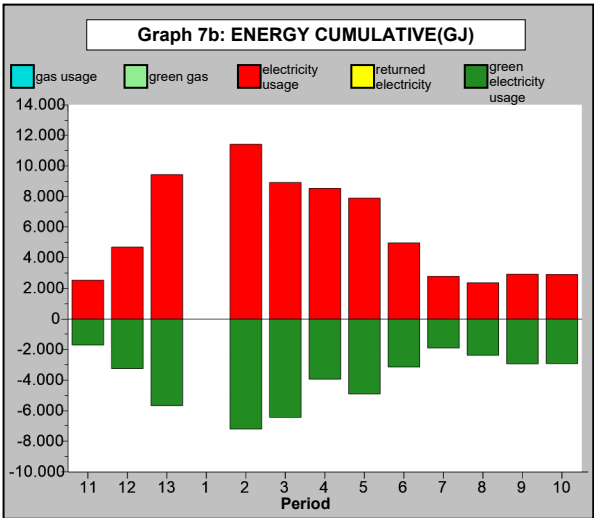
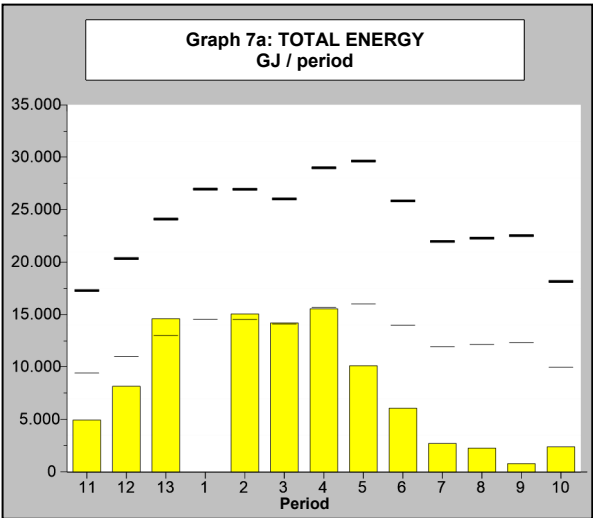
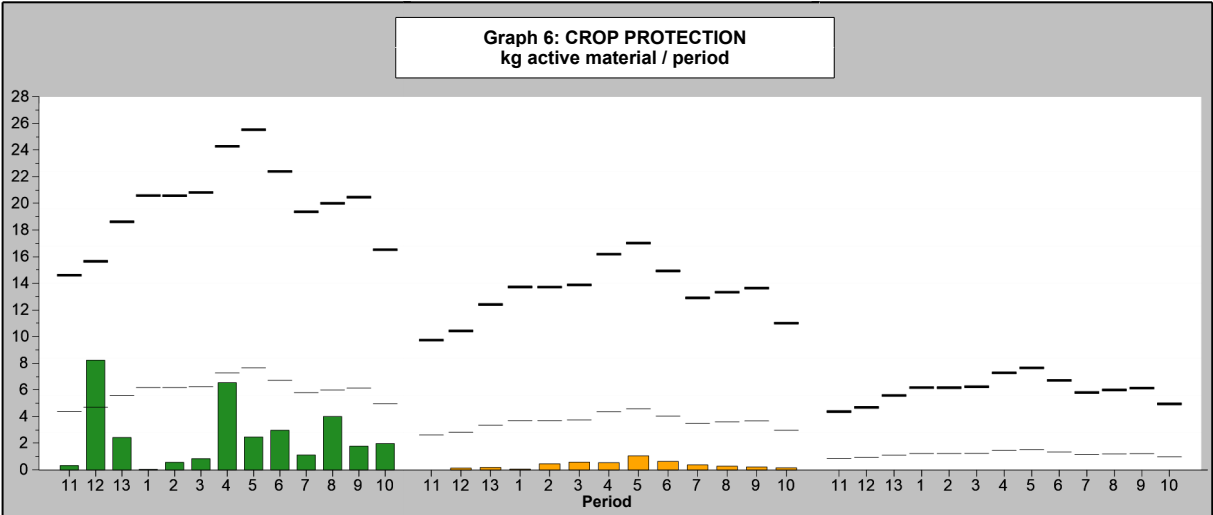


QUALIFICATION AND PERIOD GRAPHS

MPS company number: 760004/01
Company name: Rosa-Danica A/S (total)

Valid: Period 11-2022 until Period 10-2023
Version: 6-11-2023

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



MPS-Overview Composition of Qualification

MPS company number: **760004/01**
 Company name: Rosa-Danica A/S (total)

Valid: Period 11-2022 until Period 10-2023
 Version: 6-11-2023

Composition of points MPS environmentally certified parental material

Certified parental material	(Average) area	Your Points	Max points
Total cultivated area 1)	81902,3 m2		
Area certified parental material MPS-ABC	81902,3 m2	10	10
Area certified parental material GLOBALGAP	0 m2	0	5
Total points for Certified parental material		10	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
AMN BioVit	○	garlic extract			
AMN BonaVita	○	micro-organisms			
AMN Fusek	○	garlic extract			
	○	vegetable oil			
AVEC 50000	●	quaternary ammonium compound	9,000		
Azatin EC	●	azadirachtin	0,033		
Bactiva	○	amino and nucleic acids			
	○	bacteria			
	○	plant extract			
	○	seaweed extract			
	○	trichoderma harzianum			
	○	vitamines			
BB Blatt	○	micro-organisms			
BB Boden (EM Aktiv)	○	micro-organisms			
BB Start	○	bacteria			
	○	ethanol			
	○	garlic extract			
	○	humic acids			
	○	lactic acid			
	○	seaweed extract			
	○	yeast			
Biplantol Agrar	○	plant extract			
Biplantol Mykos V forte	○	plant extract			
Biplantol X2 forte	○	plant extract			
BotaniGard WP	○	beauveria bassiana			
Brennessel Extrakt Konzentrat	○	micro-organisms			
Caryx	●	mepiquat chloride	2,331		
	●	metaconazole		0,333	
Cerone	●	ethephon	0,182		
Configure	●	6-benzylaminopurine	0,231		
Conserve	●	spinosad	1,517		
Cycocel Extra (19-13)	●	chlormequat chloride	5,529		
Dipel	○	bacillus thuringiensis			
Duxon	○	potassium oleate			
Floramite	●	bifenazate	1,248		
Gnatrol SC	○	bacillus thuringiensis			
Kibrill Bladglans	○	leaf shine			
Kraftreiniger (eMC)	○	micro-organisms			
Mainspring	●	cyantranilprole	0,552		
Medax Top	●	mepiquat chloride	1,038		
	●	prohexadione-calcium	0,173		
Menno Florades	●	benzoic acid	7,200		

MPS-Overview Composition of Qualification

MPS company number: **760004/01**
 Company name: Rosa-Danica A/S (total)

Valid: Period 11-2022 until Period 10-2023
 Version: 6-11-2023

Company usage of MPS-MIND

Pesticide	Indicator color	active ingredient	Annual company use of active substance		
			Green	Amber	Red
MK 5 (Multikraft)	○	bacteria			
Mospilan SG	●	acetamiprid	0,798		
Mycostop	○	streptomyces griseoviridis			
NeemAzal T/S	●	azadirachtin	0,410		
Pediment	●	pirimicarb		0,500	
Per aqua	○	hydrogen peroxide			
	○	peroxyacetic acid			
Pirouette	●	paclobutrazol		3,876	
Polygrøn X	○	wetting/sticker agents other			
Prestop WP	○	gliocladium catenulatum			
ReduClean	○	schermiddel/-coating-remover			
ReduFuse IR	○	shadingmaterial/ coating			
Redusol	○	shadingmaterial/ coating			
Schachtelhalm Extrakt Konzentrat	○	micro-organisms			
Serenade ASO	○	bacillus subtilis			
SilicaPower	○	silicon			
Sodium Bicarbonate (Food Grade) No	○	sodium bicarbonate			
Subvivo	○	trichoderma spp.			
Sulphur for burning	○	sulfur/sulphur			
Switch	●	cyprodinil	0,525		
	●	fludioxonil	0,350		
Teppeki	●	flonicamid	2,260		
Terraferf Blatt	○	micro-organisms			
Terraferf Boden	○	micro-organisms			
Trianum-P	○	trichoderma harzianum			
Turex WP	○	bacillus thuringiensis			
Vertimec	●	abamectin		0,037	
Annual company use of active substance			33,377	4,746	0

OVERVIEW RECORDED DATA

MPS company number: **760004/01**

Company name: Rosa-Danica A/S (total)

Valid: Period 11-2022 until Period 10-2023

Version: 6-11-2023

Code	Description	Unit	Period 5	Period 6	Period 7	Period 8	Period 9	Period 10	Subtotal	Year total
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CROP PROTECTION AGENTS

990700	Amblys./Neo.swirskii (=wrong code /use code 990705	number								300000
990707	Amblyseius / Neoseiulus andersoni	number	75000	100000	75000	75000	225000	75000	625000	1000000
990395	Amblyseius / Neoseiulus cucumeris	number	49625000	48800000	19750000	21625000	21000000	14750000	175550000	298750000
990705	Amblyseius / Neoseiulus swirskii	number								50000
3870	AMN BioVit	litres			100				100	200
3871	AMN BonaVita	litres			100				100	200
3872	AMN Fusek	litres			100				100	200
3370	AVEC 50000	litres		40		40		20	100	180
3847	Azatin EC	litres	0,29	0,3				0,4	0,99	1,28
3918	Bactiva	kg		8					8	13
3818	BB Blatt	litres	1000				1000		2000	2000
3817	BB Boden (EM Aktiv)	litres				3000		2000	5000	5000
3896	BB Start	litres			1000				1000	1600
3874	Biplantol Agrar	litres			120				120	240
3875	Biplantol Mykos V forte	litres			100				100	200
3876	Biplantol X2 forte	litres			100				100	200
3794	BotaniGard WP	kg	0,01						0,01	0,05
3838	Brennnessel Extrakt Konzentrat	litres	200						200	400
3352	Caryx	litres	0,56	0,93	1,42	3,17	2,71	2,31	11,1	11,1
3028	Cerone	litres	0,03	0,05		0,01			0,09	0,38
3787	Configure	litres			0,51	0,64	1,19	4,83	7,17	11,55
3205	Conserve	litres	1,6		1,88	2,52	3,49	2,52	12,01	12,64
3022	Cycocel Extra (19-13)	litres	0,38	0,14					0,52	12,02
3113	Dipel	litres				0,4		0,1	0,5	0,5
3235	Duxon	litres		15	30		15		60	60
3279	Floramite	litres	0,56		0,16	0,8	1,2	0,1	2,82	5,2
3366	Gnatrol SC	litres	2,1	1,65	27,34	28,98	3,15		63,22	87
990675	Hypoaspis miles / Stratiolaelaps Scimitus	number	11125000	9250000	8000000	4250000	4250000	2750000	39625000	76050000
3313	Kibrill Bladglans	litres	20	20	20		20		80	125
3897	Kraftreiniger (eMC)	litres				20			20	20
3865	Mainspring	kg				0,71	0,6	0,07	1,38	1,38
3345	Medax Top	litres	0,76	0,69	0,34	0,34	0,13		2,26	3,46
3153	Menno Florades	litres	10						10	80
990474	Metarhizium anisopliae	number					40		40	40
3869	MK 5 (Multikraft)	litres	600	400	400	400	200	6	2006	3406
3277	Mospilan SG	kg		1,42	0,92	1,27	0,38		3,99	3,99
3122	Mycostop	kg	0,04	0,06	0,15	0,07	0,02	0,015	0,355	0,435

OVERVIEW RECORDED DATA (Continued)

MPS company number: 760004/01

Company name: Rosa-Danica A/S (total)

Valid: Period 11-2022 until Period 10-2023

Version: 6-11-2023

Code	Description	Unit	Period 5	Period 6	Period 7	Period 8	Period 9	Period 10	Subtotal	Year total
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CROP PROTECTION AGENTS (Continued)

3785	NeemAzal T/S	litres	4,2	3	3,75	2,98	2,78	3,38	20,09	41,01
3881	Pediment	kg	0,24	0,2	0,03				0,47	1
3307	Per aqua	litres				22			22	22
990391	Phytoseiulus persimilis	number			12000	40000	66000		118000	130000
3271	Pirouette	litres	230,31	130,52	79,45	36,45	36,63	22,7	536,06	968,89
3204	Polygrøn X	litres		2,5					2,5	2,5
3343	Prestop WP	kg	3,15	2,99	4,93	3,74	1,01	0,95	16,77	26,32
3301	ReduClean	litres						820	820	820
3791	ReduFuse IR	litres			1280				1280	1280
3320	Redusol	litres	380	1300	920				2600	3340
3837	Schachtelhalm Extrakt Konzentrat	litres	200			200			400	600
3811	Serenade ASO	litres	22,4	16	16	23,2	12,8	15,6	106	266,4
3806	SilicaPower	litres	30	10	10		10	10	70	120
3804	Sodium Bicarbonate (Food Grade) NovaCarb	kg								25
990515	Steinernema feltiae	number	1500000000	600000000	2100000000	1600000000	1100000000	1300000000	8200000000	13600000000
3836	Subvivo	kg	6	3,5	7	4	5,5	4,5	30,5	64,5
3101	Sulpher for burning	kg	25		25				50	150
3272	Switch	kg								1,4
3293	Teppeki	kg	1,26	0,26	0,42	0,3	0,2	0,01	2,45	4,52
3819	Terraferf Blatt	litres					600		600	600
3820	Terraferf Boden	litres				600			600	600
3830	Trianum-P	kg	1,35	1,13	0,75				3,23	8,3
3368	Turex WP	kg				0,4		0,09	0,49	0,49
3251	Vertimec	litres				2,05			2,05	2,05
3816	Wetcit	litres	5	5	5	5	5		25	50

ENERGY

4	Electricity from the grid (Total)	kWh	1436363	905234	506824	430886	533343	530160	4342810	12629620
6	Green electricity from the grid	kWh	890546	570298	344641	430886	533343	530160	3299874	8420890
7	Residual heat usage	GJ	8189	4874	2100	2608	910	2754	21435	84844

FERTILIZERS

1019	AMN Optiferrum	litres			100				100	200
1020	AMN Powerdunger 7+2+3	litres			100				100	200
1021	AMN Verde 2+0+3	litres			100				100	200
1001	Argicin Plus 15+0+0	litres			2				2	2

OVERVIEW RECORDED DATA (Continued)

MPS company number: **760004/01**

Company name: Rosa-Danica A/S (total)

Valid: Period 11-2022 until Period 10-2023

Version: 6-11-2023

Code	Description	Unit	Period 5	Period 6	Period 7	Period 8	Period 9	Period 10	Subtotal	Year total
FERTILIZERS (Continued)										
519	Calcium chloride 80%/85%	kg								50
550	Calcium magnesium carbonate	kg	332	253,6	399,2	448,8	360,8		1794,4	3289,6
545	Calcium nitrate (nitrate o	kg	3859,44	3865,04	5002,64	266,64	1380,4	2400	16774,16	23822,56
561	Ferrous chelate EDDHA 6%	kg	31,54	34,68	52,96	2,96	25		147,14	268,2
1087	GroGreen Feed and Shine 3+0+0	litres								210
638	Kalk	kg	1872,14	1938,22	1718,22	1891,82	1262,8		8683,2	16202,47
1076	Ligoplex Ca	litres				10	20		30	30
980	Loker L 2+8+6 (+3.3MgO)	litres			5				5	10
516	Magnesium sulphate	kg	1775	200	1525	200			3700	4100
1016	Micromax Premium B+Cu+Fe+Mn+Mo+Zn	kg	120,38	118,7	156,6	129,1	90,2		614,98	1109,11
581	Mono-potassium phosphate	kg	575	1350	300	150			2375	2625
1084	Multi-Mix 10+15+15 (+4MgO+5CaO) +ME	kg	93,44	138,24	42,24	42,24			316,16	616,96
410	Nitric Acid 62%	litres		20	40		20		80	100
420	NPK 12+6+20	kg	207,5	158,5	249,5	280,5	225,5		1121,5	2056
1086	Pentacil 0.1+0.2+0.7	kg		8					8	13
979	Peters Professional Power P 9+40+25+OE	kg	41,5	31,7	49,9	56,1	45,1		224,3	411,2
454	Pioner Mikrooplosning med Jern (1.45%)	litres	1000		1000			1000	3000	4000
396	Potassium bi-carbonate	litres				25	25		50	75
537	Potassium nitrate (13+0+45)	kg	2950	400	1550	300	200	1100	6500	9500
997	SalicylPure	litres	36	24	36		24	12	132	192
919	TBF 17+10+14+4 (Tref Base Fertilizer)	kg	35,34			35,28		35,88	106,5	106,5
631	Wuxal Ca Suspension	litres	10	10	10		10		40	110

ENVIRONMENTAL CLUSTERS

Indoor crops										
4065	POT PLANTS 5	m2	12428	12428	12428	13019	10936	3529		
4072	POT PLANTS 12	m2	70119	59323	47384	43638	40009	28267		
5065	POT PLANTS 5 par-mat	m2	18766	18657	20855	29582	39216	41955		
Subtotal			101313	90408	80667	86238	90162	73750		
Certified parental material										
661	MPS-ABC certif.parental mat. indoor	m2	101313	90408	80667	86238	90162	73750		

OVERVIEW RECORDED DATA (Continued)

MPS company number: 760004/01
Company name: Rosa-Danica A/S (total)

Valid: Period 11-2022 until Period 10-2023
Version: 6-11-2023

Code	Description	Unit	Period	Period	Period	Period	Period	Period	Subtotal	Year total
			5	6	7	8	9	10		

Certified parental material

OVERVIEW RECORDED DATA

MPS company number: **760004/01**

Company name: Rosa-Danica A/S (total)

Valid: Period 11-2022 until Period 10-2023

Version: 6-11-2023

Code	Description	Unit	Period 11	Period 12	Period 13	Period 1	Period 2	Period 3	Period 4	Subtotal
CROP PROTECTION AGENTS										
990700	Amblys./Neo.swirskii (=wrong code /use code 990705	number	200000	100000						300000
990707	Amblyseius / Neoseiulus andersoni	number		100000	25000		50000	50000	150000	375000
990395	Amblyseius / Neoseiulus cucumeris	number	16150000	22725000	1750000		30400000	18500000	33675000	123200000
990705	Amblyseius / Neoseiulus swirskii	number			50000					50000
3870	AMN BioVit	litres		100						100
3871	AMN BonaVita	litres		100						100
3872	AMN Fusek	litres		100						100
3370	AVEC 50000	litres			40				40	80
3847	Azatin EC	litres		0,15			0,14			0,29
3918	Bactiva	kg			5					5
3818	BB Blatt	litres								
3817	BB Boden (EM Aktiv)	litres								
3896	BB Start	litres			600					600
3874	Biplantol Agrar	litres			120					120
3875	Biplantol Mykos V forte	litres			100					100
3876	Biplantol X2 forte	litres			100					100
3794	BotaniGard WP	kg						0,04		0,04
3838	Brennnessel Extrakt Konzentrat	litres						200		200
3352	Caryx	litres								
3028	Cerone	litres		0,05	0,03		0,11	0,04	0,06	0,29
3787	Configure	litres	1,98	2,4						4,38
3205	Conserve	litres		0,63						0,63
3022	Cycocel Extra (19-13)	litres		10	0,1	0,03	0,28	0,64	0,45	11,5
3113	Dipel	litres								
3235	Duxon	litres								
3279	Floramite	litres	1,2					0,38	0,8	2,38
3366	Gnatrol SC	litres		2,78	16				5	23,78
990675	Hypoaspis miles / Stratiolaelaps Scimitus	number		7125000	2250000		10250000	4000000	12800000	36425000
3313	Kibrill Bladglans	litres					20	5	20	45
3897	Kraftreiniger (eMC)	litres								
3865	Mainspring	kg								
3345	Medax Top	litres		0,05	0,08		0,15	0,33	0,59	1,2
3153	Menno Florades	litres		30					40	70
990474	Metarhizium anisopliae	number								
3869	MK 5 (Multikraft)	litres			600				800	1400
3277	Mospilan SG	kg								
3122	Mycostop	kg			0,03			0,05		0,08

OVERVIEW RECORDED DATA (Continued)

MPS company number: **760004/01**

Company name: Rosa-Danica A/S (total)

Valid: Period 11-2022 until Period 10-2023

Version: 6-11-2023

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

3785	NeemAzal T/S	litres		4,17	3,3	1,5	4,39	3,13	4,43	20,92
3881	Pediment	kg					0,12	0,21	0,2	0,53
3307	Per aqua	litres								
990391	Phytoseiulus persimilis	number		8000	4000					12000
3271	Pirouette	litres		34,7	47,8	15,76	101,2	120,57	112,8	432,83
3204	Polygrøn X	litres								
3343	Prestop WP	kg		0,94	2,48		1,27	2,86	2	9,55
3301	ReduClean	litres								
3791	ReduFuse IR	litres								
3320	Redusol	litres							740	740
3837	Schachtelhalm Extrakt Konzentrat	litres							200	200
3811	Serenade ASO	litres		53,6	27,2	4,8	25,6	24,8	24,4	160,4
3806	SilicaPower	litres		10			10	20	10	50
3804	Sodium Bicarbonate (Food Grade) NovaCarb	kg					25			25
990515	Steinernema feltiae	number		350000000	1300000000		950000000	950000000	1850000000	5400000000
3836	Subvivo	kg		4	6,5		8	6	9,5	34
3101	Sulpher for burning	kg		25			25	25	25	100
3272	Switch	kg		1,05	0,35					1,4
3293	Teppeki	kg		0,13	0,2	0,03	0,57	0,6	0,54	2,07
3819	Terraferf Blatt	litres								
3820	Terraferf Boden	litres								
3830	Trianum-P	kg		0,94	1,03		1	1,35	0,75	5,07
3368	Turex WP	kg								
3251	Vertimec	litres								
3816	Wetcit	litres					5	10	10	25

ENERGY

4	Electricity from the grid (Total)	kWh	461505	854443	1716666		2077113	1623832	1553251	8286810
6	Green electricity from the grid	kWh	309208	589573	1030000		1308582	1169158	714495	5121016
7	Residual heat usage	GJ	4731	7714	12457		12457	13463	12587	63409

FERTILIZERS

1019	AMN Optiferrum	litres		100						100
1020	AMN Powerdunger 7+2+3	litres		100						100
1021	AMN Verde 2+0+3	litres		100						100
1001	Argicin Plus 15+0+0	litres								

OVERVIEW RECORDED DATA (Continued)

MPS company number: **760004/01**

Company name: Rosa-Danica A/S (total)

Valid: Period 11-2022 until Period 10-2023

Version: 6-11-2023

Code	Description	Unit	Period 11	Period 12	Period 13	Period 1	Period 2	Period 3	Period 4	Subtotal
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FERTILIZERS (Continued)

519	Calcium chloride 80%/85%	kg		50						50
550	Calcium magnesium carbonate	kg		341,6	175,2		163,2	481,6	333,6	1495,2
545	Calcium nitrate (nitrate o	kg		211,12	1329,2		123,84	2730,4	2653,84	7048,4
561	Ferrous chelate EDDHA 6%	kg		52,82	27,91		2,96	6,28	31,09	121,06
1087	GroGreen Feed and Shine 3+0+0	litres			150				60	210
638	Kalk	kg		1502,03	929,36		892,22	2366,56	1829,1	7519,27
1076	Ligoplex Ca	litres								
980	Loker L 2+8+6 (+3.3MgO)	litres							5	5
516	Magnesium sulphate	kg		200				200		400
1016	Micromax Premium B+Cu+Fe+Mn+Mo+Zn	kg	19,4	82,13	60,44		57,7	156,24	118,22	494,13
581	Mono-potassium phosphate	kg		100				150		250
1084	Multi-Mix 10+15+15 (+4MgO+5CaO) +ME	kg		40,32	41,6		42,24	89,6	87,04	300,8
410	Nitric Acid 62%	litres		20						20
420	NPK 12+6+20	kg		213,5	109,5		102	301	208,5	934,5
1086	Pentacil 0.1+0.2+0.7	kg			5					5
979	Peters Professional Power P 9+40+25+OE	kg		42,7	21,9		20,4	60,2	41,7	186,9
454	Pioner Mikrooplosning med Jern (1.45%)	litres						1000		1000
396	Potassium bi-carbonate	litres						25		25
537	Potassium nitrate (13+0+45)	kg		300	1200			1500		3000
997	SalicylPure	litres			12		12	24	12	60
919	TBF 17+10+14+4 (Tref Base Fertilizer)	kg								
631	Wuxal Ca Suspension	litres	10		10		10	10	30	70

ENVIRONMENTAL CLUSTERS

Indoor crops										
4065	POT PLANTS 5	m2	2760	1608	3108	5268	5268	10245	12107	
4072	POT PLANTS 12	m2	30360	38738	50708	55771	55725	52552	65507	
5065	POT PLANTS 5 par-mat	m2	29103	22655	18941	19992	19992	22347	19438	
Subtotal			62223	63001	72757	81031	80985	85144	97051	
Certified parental material										
661	MPS-ABC certif.parental mat. indoor	m2	62223	63001	72757	81031	80985	85144	97051	

OVERVIEW RECORDED DATA (Continued)

MPS company number: 760004/01
Company name: Rosa-Danica A/S (total)

Valid: Period 11-2022 until Period 10-2023
Version: 6-11-2023

Code	Description	Unit	Period	Period	Period	Period	Period	Period	Period	Subtotal
			11	12	13	1	2	3	4	

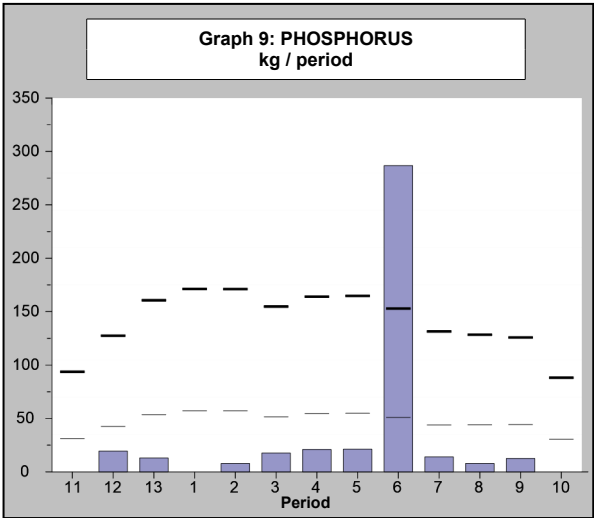
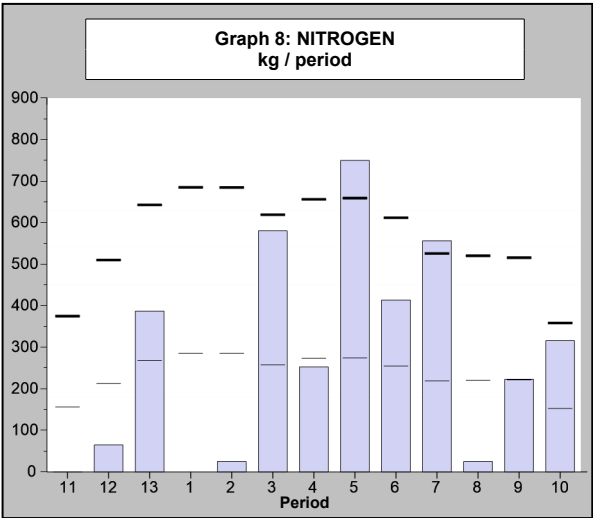
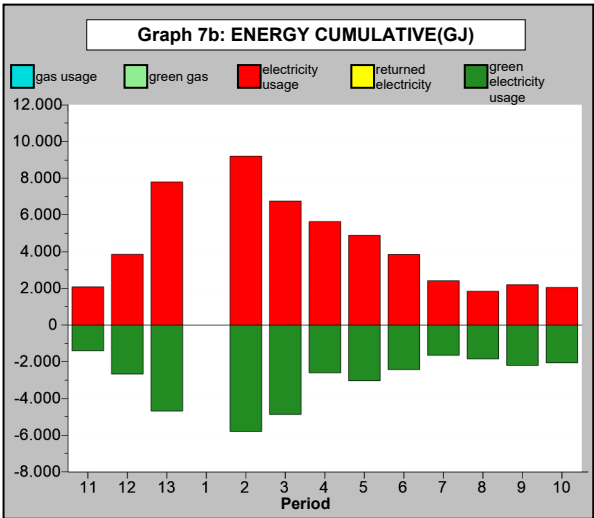
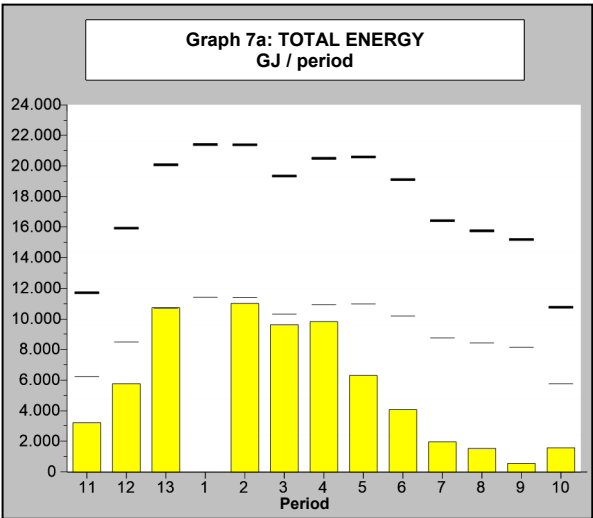
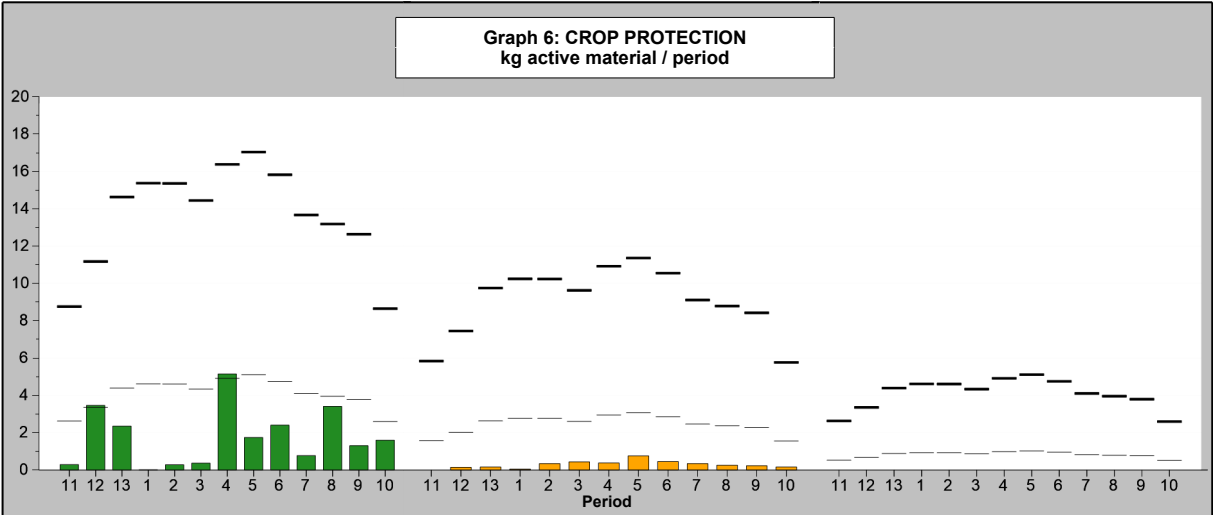
Certified parental material

QUALIFICATION AND PERIOD GRAPHS

MPS company number: 760004/11
Company name: Rosa-Danica A/S

Valid: Period 11-2022 until Period 10-2023
Version: 6-11-2023

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MPS-Overview Composition of Qualification

MPS company number: **760004/11**
 Company name: Rosa-Danica A/S

Valid: Period 11-2022 until Period 10-2023
 Version: 6-11-2023

Composition of company standards MPS-OEX (Area Efficiency index)

THEMA		Basic standard		% OEX	Company standard	
		lower-limit	upper-limit		lower-limit	upper-limit
Crop protection	Green				53,1-177,1 kg	23,1 kg
	Amber				31,9-118,1 kg	3,7 kg
	Red				10,6-53,1 kg	0 kg
Energy		94459,1-176965,4 GJ	29 %		121841,5-228275,9 GJ	66225,1 GJ
Nitrogen (N)		2390,6-5711,2 kg	28,9 %		3081,4-7363,5 kg	3594,2 kg
Phosphorus (P)		478,1-1422,7 kg	29 %		616,3-1834,7 kg	421,8 kg

Overview Environmental zones

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

Company usage of MPS-MIND

Pesticide	Indicator color	active ingredient	Annual company unit use of active substance		
			Green	Amber	Red
AMN BioVit	○	garlic extract			
AMN BonaVita	○	micro-organisms			
AMN Fusek	○	garlic extract			
	○	vegetable oil			
AVEC 50000	●	quaternary ammonium compound	9,000		
Bactiva	○	amino and nucleic acids			
	○	bacteria			
	○	plant extract			
	○	seaweed extract			
	○	trichoderma harzianum			
	○	vitamines			
BB Blatt	○	micro-organisms			
BB Boden (EM Aktiv)	○	micro-organisms			
BB Start	○	bacteria			
	○	ethanol			
	○	garlic extract			
	○	humic acids			
	○	lactic acid			
	○	seaweed extract			
	○	yeast			
Biplantol Agrar	○	plant extract			
Biplantol Mykos V forte	○	plant extract			
Biplantol X2 forte	○	plant extract			
Brennessel Extrakt Konzentrat	○	micro-organisms			
Caryx	●	mepiquat chloride	1,817		
	●	metaconazole		0,260	
Conserve	●	spinosad	0,797		
Floramite	●	bifenazate	1,104		
Kibrill Bladglans	○	leaf shine			
Kraftreiniger (eMC)	○	micro-organisms			
Mainspring	●	cyantraniliprole	0,212		
Menno Florades	●	benzoic acid	6,300		
MK 5 (Multikraft)	○	bacteria			
Mospilan SG	●	acetamiprid	0,736		
NeemAzal T/S	●	azadirachtin	0,397		

MPS-Overview Composition of Qualification

MPS company number: **760004/11**
 Company name: Rosa-Danica A/S

Valid: Period 11-2022 until Period 10-2023
 Version: 6-11-2023

Company usage of MPS-MIND

Pesticide	Indicator color	active ingredient	Annual company unit use of active substance		
			Green	Amber	Red
Per aqua	○	hydrogen peroxide			
Per aqua	○	peroxyacetic acid			
Pirouette	●	paclobutrazol		3,407	
Polygrøn X	○	wetting/sticker agents other			
ReduClean	○	schermiddel/-coating-remover			
Redusol	○	shadingmaterial/ coating			
Schachtelhalm Extrakt Konzentrat	○	micro-organisms			
Serenade ASO	○	bacillus subtilis			
SilicaPower	○	silicon			
Sodium Bicarbonate (Food Grade) No	○	sodium bicarbonate			
Subvivo	○	trichoderma spp.			
Sulphur for burning	○	sulfur/sulphur			
Switch	●	cyprodinil	0,525		
	●	fludioxonil	0,350		
Teppeki	●	flonicamid	1,885		
Terrafert Blatt	○	micro-organisms			
Terrafert Boden	○	micro-organisms			
Vertimec	●	abamectin		0,023	
Annual company unit use of active substance			23,122	3,690	0

OVERVIEW RECORDED DATA

MPS company number: **760004/11**

Company name: Rosa-Danica A/S

Valid: Period 11-2022 until Period 10-2023

Version: 6-11-2023

Code	Description	Unit	Period 5	Period 6	Period 7	Period 8	Period 9	Period 10	Subtotal	Year total
FORM RECEIVED			yes	yes	yes	yes	yes	yes		
CROP PROTECTION AGENTS										
990707	Amblyseius / Neoseiulus andersoni	number	75000	100000	75000	75000	225000	75000	625000	950000
990395	Amblyseius / Neoseiulus cucumeris	number	24000000	27300000	18300000	19200000	18600000	12300000	119700000	227700000
990705	Amblyseius / Neoseiulus swirskii	number								50000
3870	AMN BioVit	litres			100				100	200
3871	AMN BonaVita	litres			100				100	200
3872	AMN Fusek	litres			100				100	200
3370	AVEC 50000	litres		40		40		20	100	180
3918	Bactiva	kg		8					8	13
3818	BB Blatt	litres	1000				1000		2000	2000
3817	BB Boden (EM Aktiv)	litres				3000		2000	5000	5000
3896	BB Start	litres								600
3874	Biplantol Agrar	litres			120				120	240
3875	Biplantol Mykos V forte	litres			100				100	200
3876	Biplantol X2 forte	litres			100				100	200
3838	Brennnessel Extrakt Konzentrat	litres	200						200	400
3352	Caryx	litres			0,75	2,93	2,66	2,31	8,65	8,65
3205	Conserve	litres	1,6		1,2	0,98	2,64	0,22	6,64	6,64
3279	Floramite	litres	0,56		0,16	0,8	0,6	0,1	2,22	4,6
990675	Hypoaspis miles / Stratiolaelaps Scimitus	number	6000000	6000000	3500000	3000000	2625000	1500000	22625000	43875000
3313	Kibrill Bladglans	litres	20	20	20		20		80	125
3897	Kraftreiniger (eMC)	litres				20			20	20
3865	Mainspring	kg				0,27	0,19	0,07	0,53	0,53
3153	Menno Florades	litres	10						10	70
3869	MK 5 (Multikraft)	litres	600	400	400	400	200	6	2006	3406
3277	Mospilan SG	kg		1,42	0,92	0,96	0,38		3,68	3,68
3785	NeemAzal T/S	litres	4,2	3	3,75	2,98	2,78	3,38	20,09	39,74
3307	Per aqua	litres				22			22	22
990391	Phytoseiulus persimilis	number			12000	40000	66000		118000	122000
3271	Pirouette	litres	188,45	113,7	79,45	36,45	36,63	22,7	477,38	851,67
3204	Polygrøn X	litres		2,5					2,5	2,5
3301	ReduClean	litres						820	820	820
3320	Redusol	litres	380						380	1120
3837	Schachtelhalm Extrakt Konzentrat	litres	200			200			400	600
3811	Serenade ASO	litres	22,4	16	16	23,2	12,8	15,6	106	258
3806	SilicaPower	litres	30	10	10		10		60	110
3804	Sodium Bicarbonate (Food Grade) NovaCarb	kg								25

OVERVIEW RECORDED DATA (Continued)

MPS company number: 760004/11

Company name: Rosa-Danica A/S

Valid: Period 11-2022 until Period 10-2023

Version: 6-11-2023

Code	Description	Unit	Period 5	Period 6	Period 7	Period 8	Period 9	Period 10	Subtotal	Year total
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CROP PROTECTION AGENTS (Continued)

990515	Steinernema feltiae	number						250000000	250000000	250000000
3836	Subvivo	kg	6	3,5	5,5	4	5	4	28	56
3101	Sulpher for burning	kg	25		25				50	100
3272	Switch	kg								1,4
3293	Teppeki	kg	0,95	0,17	0,42	0,3	0,2		2,04	3,77
3819	Terrafert Blatt	litres					600		600	600
3820	Terrafert Boden	litres				600			600	600
3251	Vertimec	litres				1,29			1,29	1,29
3816	Wetcit	litres	5	5	5	5	5		25	45

ENERGY

4	Electricity from the grid (Total)	kWh	888827	699882	440292	334086	399666	373043	3135796	9565526
6	Green electricity from the grid	kWh	551073	440926	299399	334086	399666	373043	2398193	6399915
7	Residual heat usage	GJ	5117	3042	1371	1764	637	1817	13748	56108

LIGHTING

550001	HP-Hg 400W Conv.	Hour	1	1	1	1	1	1		
		Number								
		kWatt	814748	627673	371828	267379	334594	312145		

FERTILIZERS

1019	AMN Optiferrum	litres			100				100	200
1020	AMN Powerdunger 7+2+3	litres			100				100	200
1021	AMN Verde 2+0+3	litres			100				100	200
1001	Argicin Plus 15+0+0	litres			2				2	2
550	Calcium magnesium carbonate	kg	256	175,2	170,4	87,2	212,8		901,6	1935,2
545	Calcium nitrate (nitrate o	kg	2621,44	2529,84	2527,44	85,84	1306,4	1200	10270,96	15842,48
561	Ferrous chelate EDDHA 6%	kg	31,54	2,96	27,96	2,96	25		90,42	158,25
1087	GroGreen Feed and Shine 3+0+0	litres								210
638	Kalk	kg	1606,14	934,22	917,42	626,22	744,8		4828,8	10382,26
516	Magnesium sulphate	kg	1200		1200				2400	2400
1016	Micromax Premium B+Cu+Fe+Mn+Mo+Zn	kg	101,38	60,7	59,5	38,7	53,2		313,48	673,78
581	Mono-potassium phosphate	kg		1200					1200	1200
1084	Multi-Mix 10+15+15 (+4MgO+5CaO) +ME	kg	93,44	42,24	42,24	42,24			220,16	474,88
410	Nitric Acid 62%	litres		20	40		20		80	80

OVERVIEW RECORDED DATA (Continued)

MPS company number: **760004/11**

Company name: Rosa-Danica A/S

Valid: Period 11-2022 until Period 10-2023

Version: 6-11-2023

Code	Description	Unit	Period 5	Period 6	Period 7	Period 8	Period 9	Period 10	Subtotal	Year total
FERTILIZERS (Continued)										
420	NPK 12+6+20	kg	160	109,5	106,5	54,5	133		563,5	1209,5
1086	Pentacil 0.1+0.2+0.7	kg		8					8	13
979	Peters Professional Power P 9+40+25+OE	kg	32	21,9	21,3	10,9	26,6		112,7	241,9
454	Pioner Mikrooplosning med Jern (1.45%)	litres	1000		1000			1000	3000	4000
396	Potassium bi-carbonate	litres				25	25		50	75
537	Potassium nitrate (13+0+45)	kg	2400		1000			1000	4400	6800
997	SalicylPure	litres	24	24	24		24	12	108	168
631	Wuxal Ca Suspension	litres	10	10	10		10		40	90

ENVIRONMENTAL CLUSTERS

Indoor crops										
4065	POT PLANTS 5	m2				4104	7597	3421		
4072	POT PLANTS 12	m2	59078	54860	47384	43638	40009	28267		
Subtotal			59078	54860	47384	47742	47607	31688		
Certified parental material										
661	MPS-ABC certif.parental mat. indoor	m2	59078	54860	47384	47742	47607	31688		

GENERAL INFORMATION FORM

MPS-Mind

Surface water

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

> 2500 metres / > 8200 feet

Cover

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

Yes

Slope

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

flat

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?

Yes

OVERVIEW RECORDED DATA (Continued)

MPS company number: 760004/11

Company name: Rosa-Danica A/S

Valid: Period 11-2022 until Period 10-2023

Version: 6-11-2023

GENERAL INFORMATION FORM

MPS-OEX

Sidescreens:

3950 Are sidescreens being used during lighting in the night? Yes

Topscreens:

3951 Are topscreens being used during lighting in the night? Yes

3952 If yes, what is the percentage of light-reduction? 95% or more

CO2

3953 Do you apply CO2? Yes

3954 If yes, on what percentage of your heated greenhouse area? 100

3955 If you apply CO2, do you have a closed greenhouse (without ventilation windows)? Yes

3956 If yes, what percentage of the greenhouse with CO2 is a closed greenhouse? 100

Substrate

3957 Do you cultivate cut flowers on substrate? No

Diffuse light

3961 Do you have diffuse glass on your greenhouse? No

3963 Do you have diffuse foil on your foil-greenhouse? No

3965 Do you have diffuse screens on your greenhouse? No

3967 Do you use a diffuse coating on your greenhouse? No

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

OVERVIEW RECORDED DATA

MPS company number: **760004/11**

Company name: Rosa-Danica A/S

Valid: Period 11-2022 until Period 10-2023

Version: 6-11-2023

Code	Description	Unit	Period 11	Period 12	Period 13	Period 1	Period 2	Period 3	Period 4	Subtotal
FORM RECEIVED			yes	yes	yes	yes	yes	yes	yes	
CROP PROTECTION AGENTS										
990707	Amblyseius / Neoseiulus andersoni	number		50000	25000		50000	50000	150000	325000
990395	Amblyseius / Neoseiulus cucumeris	number	15000000	21000000			27000000	16200000	28800000	108000000
990705	Amblyseius / Neoseiulus swirskii	number			50000					50000
3870	AMN BioVit	litres		100						100
3871	AMN BonaVita	litres		100						100
3872	AMN Fusek	litres		100						100
3370	AVEC 50000	litres			40				40	80
3918	Bactiva	kg			5					5
3818	BB Blatt	litres								
3817	BB Boden (EM Aktiv)	litres								
3896	BB Start	litres			600					600
3874	Biplantol Agrar	litres			120					120
3875	Biplantol Mykos V forte	litres			100					100
3876	Biplantol X2 forte	litres			100					100
3838	Brennnessel Extrakt Konzentrat	litres							200	200
3352	Caryx	litres								
3205	Conserve	litres								
3279	Floramite	litres	1,2					0,38	0,8	2,38
990675	Hypoaspis miles / Stratiolaelaps Scimitus	number		4625000	125000		5000000	4000000	7500000	21250000
3313	Kibrill Bladglans	litres					20	5	20	45
3897	Kraftreiniger (eMC)	litres								
3865	Mainspring	kg								
3153	Menno Florades	litres		30					30	60
3869	MK 5 (Multikraft)	litres			600				800	1400
3277	Mospilan SG	kg								
3785	NeemAzal T/S	litres		4,05	3,3	1,5	4,05	2,7	4,05	19,65
3307	Per aqua	litres								
990391	Phytoseiulus persimilis	number			4000					4000
3271	Pirouette	litres		34,7	40	12,7	84,78	107,98	94,13	374,29
3204	Polygrøn X	litres								
3301	ReduClean	litres								
3320	Redusol	litres							740	740
3837	Schachtelhalm Extrakt Konzentrat	litres							200	200
3811	Serenade ASO	litres		53,6	27,2	4,8	25,6	24,8	16	152
3806	SilicaPower	litres		10			10	20	10	50
3804	Sodium Bicarbonate (Food Grade) NovaCarb	kg					25			25

OVERVIEW RECORDED DATA (Continued)

MPS company number: **760004/11**

Company name: Rosa-Danica A/S

Valid: Period 11-2022 until Period 10-2023

Version: 6-11-2023

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

990515	Steinernema feltiae	number								
3836	Subvivo	kg		4	6		7,5	4,5	6	28
3101	Sulpher for burning	kg		25			25			50
3272	Switch	kg		1,05	0,35					1,4
3293	Teppeki	kg		0,13	0,2		0,48	0,5	0,42	1,73
3819	Terrafert Blatt	litres								
3820	Terrafert Boden	litres								
3251	Vertimec	litres								
3816	Wetcit	litres					5	10	5	20

ENERGY

4	Electricity from the grid (Total)	kWh	380000	702195	1418528		1673157	1229627	1026223	6429730
6	Green electricity from the grid	kWh	254600	484522	851117		1054089	885331	472063	4001722
7	Residual heat usage	GJ	2916	5257	8755		8755	8888	7789	42360

LIGHTING

550001	HP-Hg 400W Conv.	Hour	1	1	1	1	1	1	1	
		Number								
		kWatt	652235	1370753	1370753	1604136	1604136	1165348	958774	

FERTILIZERS

1019	AMN Optiferrum	litres		100						100
1020	AMN Powerdunger 7+2+3	litres		100						100
1021	AMN Verde 2+0+3	litres		100						100
1001	Argicin Plus 15+0+0	litres								
550	Calcium magnesium carbonate	kg		264	175,2		86,4	250,4	257,6	1033,6
545	Calcium nitrate (nitrate o	kg		172,32	1329,2		85,44	2568,72	1415,84	5571,52
561	Ferrous chelate EDDHA 6%	kg		2,82	27,91		2,96	3,05	31,09	67,83
1087	GroGreen Feed and Shine 3+0+0	litres			150				60	210
638	Kalk	kg		1230,43	929,36		623,42	1207,15	1563,1	5553,46
516	Magnesium sulphate	kg								
1016	Micromax Premium B+Cu+Fe+Mn+Mo+Zn	kg		82,13	60,44		38,5	80,01	99,22	360,3
581	Mono-potassium phosphate	kg								
1084	Multi-Mix 10+15+15 (+4MgO+5CaO) +ME	kg		40,32	41,6		42,24	43,52	87,04	254,72
410	Nitric Acid 62%	litres								

OVERVIEW RECORDED DATA (Continued)

MPS company number: **760004/11**

Company name: Rosa-Danica A/S

Valid: Period 11-2022 until Period 10-2023

Version: 6-11-2023

Code	Description	Unit	Period 11	Period 12	Period 13	Period 1	Period 2	Period 3	Period 4	Subtotal
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FERTILIZERS (Continued)

420	NPK 12+6+20	kg		165	109,5		54	156,5	161	646
1086	Pentacil 0.1+0.2+0.7	kg			5					5
979	Peters Professional Power P 9+40+25+OE	kg		33	21,9		10,8	31,3	32,2	129,2
454	Pioner Mikrooplosning med Jern (1.45%)	litres						1000		1000
396	Potassium bi-carbonate	litres						25		25
537	Potassium nitrate (13+0+45)	kg			1200			1200		2400
997	SalicylPure	litres			12		12	24	12	60
631	Wuxal Ca Suspension	litres	10				10	10	20	50

ENVIRONMENTAL CLUSTERS

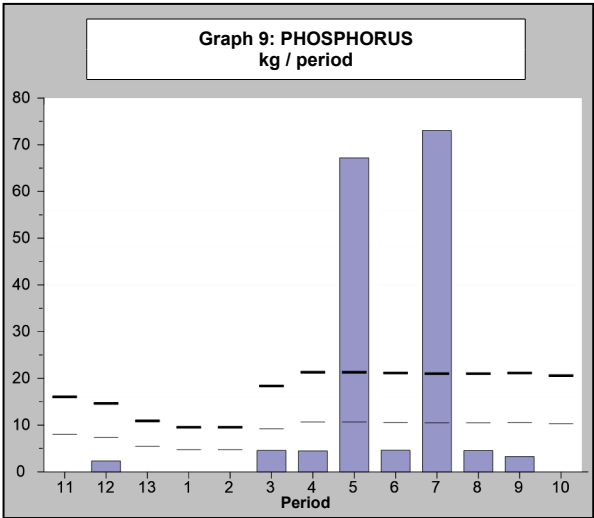
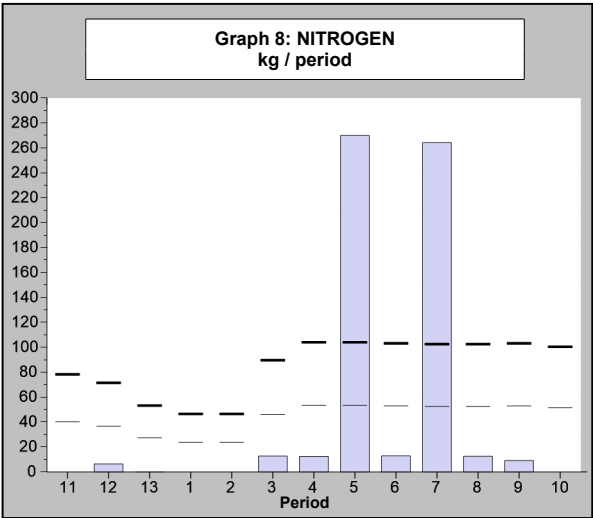
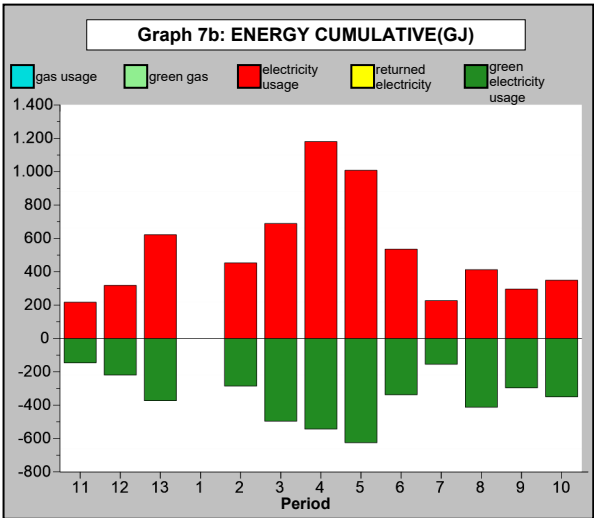
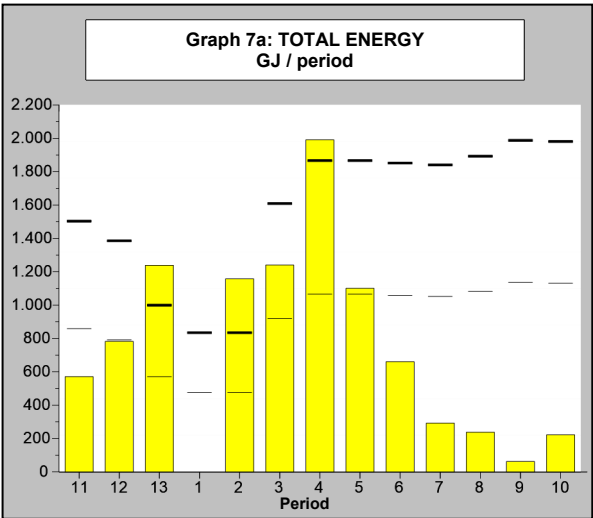
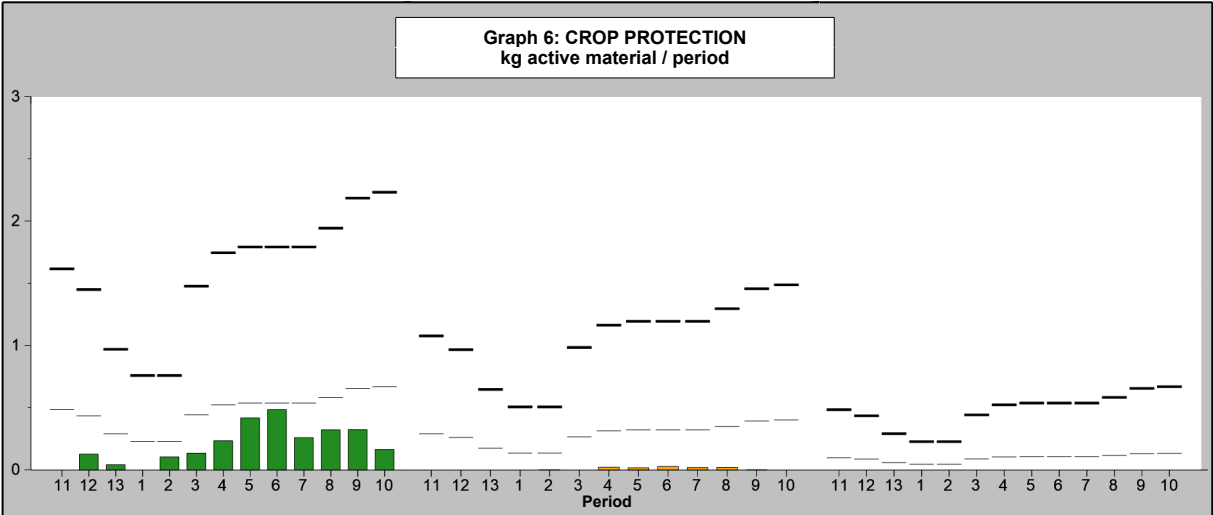
Indoor crops									
4065 POT PLANTS 5	m2								
4072 POT PLANTS 12	m2	30360	38738	50708	53288	53242	50069	56782	
Subtotal		30360	38738	50708	53288	53242	50069	56782	
Certified parental material									
661 MPS-ABC certif.parental mat. indoor	m2	30360	38738	50708	53288	53242	50069	56782	

QUALIFICATION AND PERIOD GRAPHS

MPS company number: 760004/13
Company name: Rosa-Danica A/S

Valid: Period 11-2022 until Period 10-2023
Version: 6-11-2023

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MPS-Overview Composition of Qualification

MPS company number: **760004/13**
 Company name: Rosa-Danica A/S

Valid: Period 11-2022 until Period 10-2023
 Version: 6-11-2023

Composition of company standards MPS-OEX (Area Efficiency index)

THEMA		Basic standard		% OEX	Company standard	
		lower-limit	upper-limit		lower-limit	upper-limit
Crop protection	Green				6,2-20,5 kg	2,6 kg
	Amber				3,7-13,7 kg	0,1 kg
	Red				1,2-6,2 kg	0 kg
Energy		10326,6-18071,6 GJ		13,2 %	11685,4-20449,5 GJ	
Nitrogen (N)		500,9-976,7 kg		13,2 %	566,8-1105,2 kg	
Phosphorus (P)		100,2-200,3 kg		13,2 %	113,4-226,7 kg	

Overview Environmental zones

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

Company usage of MPS-MIND

Pesticide	Indicator color	active ingredient	Annual company unit use of active substance		
			Green	Amber	Red
Caryx	●	mepiquat chloride	0,515		
	●	metaconazole		0,074	
Cerone	●	ethephon	0,182		
Configure	●	6-benzylaminopurine	0,080		
Conserve	●	spinosad	0,259		
Floramite	●	bifenazate	0,144		
Mainspring	●	cyantraniliprole	0,120		
Medax Top	●	mepiquat chloride	1,038		
	●	prohexadione-calcium	0,173		
Mospilan SG	●	acetamiprid	0,062		
NeemAzal T/S	●	azadirachtin	0,001		
Pirouette	●	paclobutrazol		0,025	
Prestop WP	○	gliocladium catenulatum			
Redusol	○	shadingmaterial/ coating			
Teppeki	●	flonicamid	0,045		
Triatum-P	○	trichoderma harzianum			
Vertimec	●	abamectin		0,014	
Annual company unit use of active substance			2,618	0,113	0

OVERVIEW RECORDED DATA

MPS company number: **760004/13**

Company name: Rosa-Danica A/S

Valid: Period 11-2022 until Period 10-2023

Version: 6-11-2023

Code	Description	Unit	Period 5	Period 6	Period 7	Period 8	Period 9	Period 10	Subtotal	Year total
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FORM RECEIVED

yes yes yes yes yes yes

CROP PROTECTION AGENTS

990700 Amblys./Neo.swirskii (=wrong code /use code 990705)	number									300000
990707 Amblyseius / Neoseiulus andersoni	number									50000
3352 Caryx	litres	0,56	0,93	0,67	0,24	0,05			2,45	2,45
3028 Cerone	litres	0,03	0,05		0,01				0,09	0,38
3787 Configure	litres							1,59	1,59	3,99
3205 Conserve	litres				0,06	0,7		1,1	1,86	2,16
3279 Floramite	litres					0,6			0,6	0,6
990675 Hypoaspis miles / Stratiolaelaps Scimitus	number									250000
3865 Mainspring	kg				0,2	0,1			0,3	0,3
3345 Medax Top	litres	0,76	0,69	0,34	0,34	0,13			2,26	3,46
3277 Mospilan SG	kg				0,31				0,31	0,31
3785 NeemAzal T/S	litres									0,12
990391 Phytoseiulus persimilis	number									8000
3271 Pirouette	litres									6,35
3343 Prestop WP	kg	1,35	1,13	1,05					3,53	7,37
3320 Redusol	litres		340						340	340
3293 Teppeki	kg	0,04	0,05						0,09	0,09
3830 Triatum-P	kg	1,35	1,13	0,75					3,23	7,07
3251 Vertimec	litres				0,76				0,76	0,76

ENERGY

4 Electricity from the grid (Total)	kWh	183209	97332	41310	75018	53819	63501	514189	1146727
6 Green electricity from the grid	kWh	113590	61319	28091	75018	53819	63501	395338	770291
7 Residual heat usage	GJ	825	532	253	274	72	256	2212	8608

LIGHTING

550001 HP-Hg 400W Conv.	Hour	1	1	1	1	1	1		
	Number								
	kWatt	157721	73165	20010	53280	35530	44862		

FERTILIZERS

550 Calcium magnesium carbonate	kg	76	78,4	78,4	76,8	55,2		364,8	557,6
545 Calcium nitrate (nitrate o	kg	1238	39,2	1200	38,4	27,6		2543,2	2639,6
561 Ferrous chelate EDDHA 6%	kg			25				25	25

OVERVIEW RECORDED DATA (Continued)

MPS company number: **760004/13**

Company name: Rosa-Danica A/S

Valid: Period 11-2022 until Period 10-2023

Version: 6-11-2023

Code	Description	Unit	Period 5	Period 6	Period 7	Period 8	Period 9	Period 10	Subtotal	Year total
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FERTILIZERS (Continued)

638	Kalk	kg	266	274,4	274,4	268,8	193,2		1276,8	1951,6
1076	Ligoplex Ca	litres				5	5		10	10
516	Magnesium sulphate	kg	325		325				650	650
1016	Micromax Premium B+Cu+Fe+Mn+Mo+Zn	kg	19	19,6	59,5	19,2	13,8		131,1	179,3
581	Mono-potassium phosphate	kg	275		300				575	575
420	NPK 12+6+20	kg	47,5	49	49	48	34,5		228	348,5
979	Peters Professional Power P 9+40+25+OE	kg	9,5	9,8	9,8	9,6	6,9		45,6	69,7
537	Potassium nitrate (13+0+45)	kg	550		550				1100	1100
631	Wuxal Ca Suspension	litres								10

ENVIRONMENTAL CLUSTERS

Indoor crops										
4065	POT PLANTS 5	m2	12428	12428	12428	8914	3339	107		
5065	POT PLANTS 5 par-mat	m2				3514	9089	11828		
Subtotal			12428	12428	12428	12428	12428	11935		
Certified parental material										
661	MPS-ABC certif.parental mat. indoor	m2	12428	12428	12428	12428	12428	11935		

GENERAL INFORMATION FORM

MPS-Mind

Surface water

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

Cover

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

Slope

3902 What is the maximum slope of a plot on this location? flat

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? Yes

OVERVIEW RECORDED DATA (Continued)

MPS company number: 760004/13

Company name: Rosa-Danica A/S

Valid: Period 11-2022 until Period 10-2023

Version: 6-11-2023

GENERAL INFORMATION FORM

MPS-OEX

Sidescreens:

3950 Are sidescreens being used during lighting in the night? Yes

Topscreens:

3951 Are topscreens being used during lighting in the night? Yes

3952 If yes, what is the percentage of light-reduction? 95% or more

CO2

3953 Do you apply CO2? Yes

3954 If yes, on what percentage of your heated greenhouse area? 100

3955 If you apply CO2, do you have a closed greenhouse (without ventilation windows)? No

Substrate

3957 Do you cultivate cut flowers on substrate? No

Diffuse light

3961 Do you have diffuse glass on your greenhouse? No

3963 Do you have diffuse foil on your foil-greenhouse? No

3965 Do you have diffuse screens on your greenhouse? No

3967 Do you use a diffuse coating on your greenhouse? No

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

OVERVIEW RECORDED DATA

MPS company number: **760004/13**

Company name: Rosa-Danica A/S

Valid: Period 11-2022 until Period 10-2023

Version: 6-11-2023

Code	Description	Unit	Period 11	Period 12	Period 13	Period 1	Period 2	Period 3	Period 4	Subtotal
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FORM RECEIVED

yes yes yes yes yes yes yes yes

CROP PROTECTION AGENTS

990700	Amblys./Neo.swirskii (=wrong code /use code 990705	number	200000	100000						300000
990707	Amblyseius / Neoseiulus andersoni	number		50000						50000
3352	Caryx	litres								
3028	Cerone	litres		0,05	0,03		0,11	0,04	0,06	0,29
3787	Configure	litres		2,4						2,4
3205	Conserve	litres		0,3						0,3
3279	Floramite	litres								
990675	Hypoaspis miles / Stratiolaelaps Scimitus	number		250000						250000
3865	Mainspring	kg								
3345	Medax Top	litres		0,05	0,08		0,15	0,33	0,59	1,2
3277	Mospilan SG	kg								
3785	NeemAzal T/S	litres		0,12						0,12
990391	Phytoseiulus persimilis	number		8000						8000
3271	Pirouette	litres			0,04		0,53		5,78	6,35
3343	Prestop WP	kg		0,38	0,53		0,83	1,35	0,75	3,84
3320	Redusol	litres								
3293	Teppeki	kg								
3830	Trianum-P	kg		0,38	0,53		0,83	1,35	0,75	3,84
3251	Vertimec	litres								

ENERGY

4	Electricity from the grid (Total)	kWh	39500	57829	112991		82363	125267	214588	632538
6	Green electricity from the grid	kWh	26465	39902	67795		51889	90192	98710	374953
7	Residual heat usage	GJ	574	786	1138		1138	1204	1556	6396

LIGHTING

550001	HP-Hg 400W Conv.	Hour	1	1	1	1	1	1	1	
		Number								
		kWatt	38562	94815	94815	63347	63347	108079	190967	

FERTILIZERS

550	Calcium magnesium carbonate	kg		39,2				77,6	76	192,8
545	Calcium nitrate (nitrate o	kg		19,6				38,8	38	96,4
561	Ferrous chelate EDDHA 6%	kg								

OVERVIEW RECORDED DATA (Continued)

MPS company number: **760004/13**

Company name: Rosa-Danica A/S

Valid: Period 11-2022 until Period 10-2023

Version: 6-11-2023

Code	Description	Unit	Period 11	Period 12	Period 13	Period 1	Period 2	Period 3	Period 4	Subtotal
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FERTILIZERS (Continued)

638	Kalk	kg		137,2				271,6	266	674,8
1076	Ligoplex Ca	litres								
516	Magnesium sulphate	kg								
1016	Micromax Premium B+Cu+Fe+Mn+Mo+Zn	kg	9,8					19,4	19	48,2
581	Mono-potassium phosphate	kg								
420	NPK 12+6+20	kg		24,5				48,5	47,5	120,5
979	Peters Professional Power P 9+40+25+OE	kg		4,9				9,7	9,5	24,1
537	Potassium nitrate (13+0+45)	kg								
631	Wuxal Ca Suspension	litres			10					10

ENVIRONMENTAL CLUSTERS

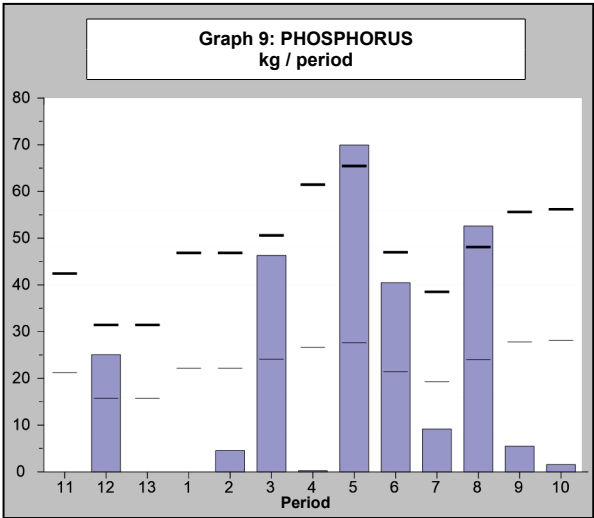
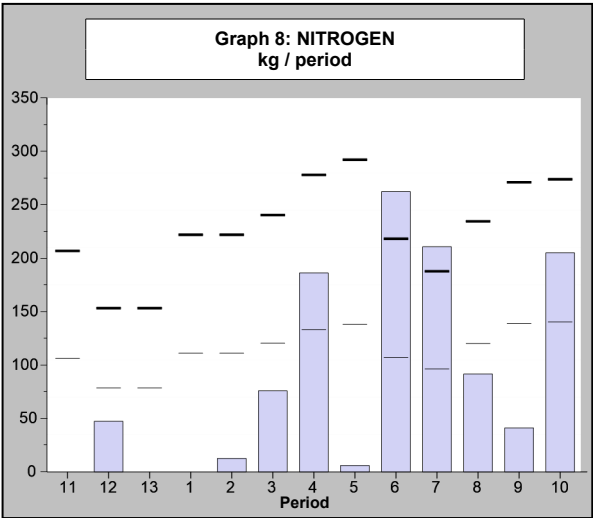
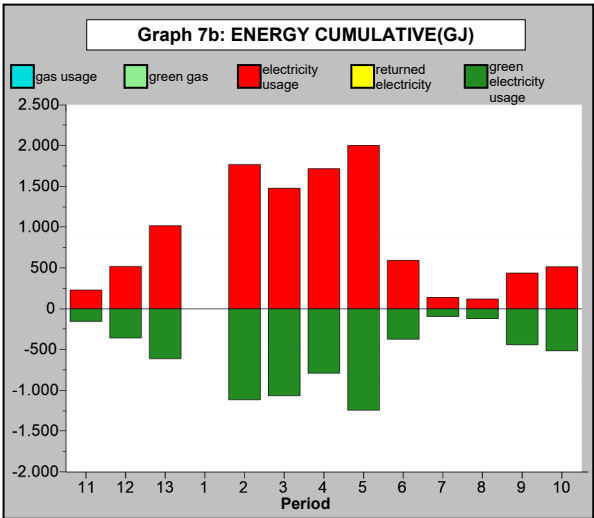
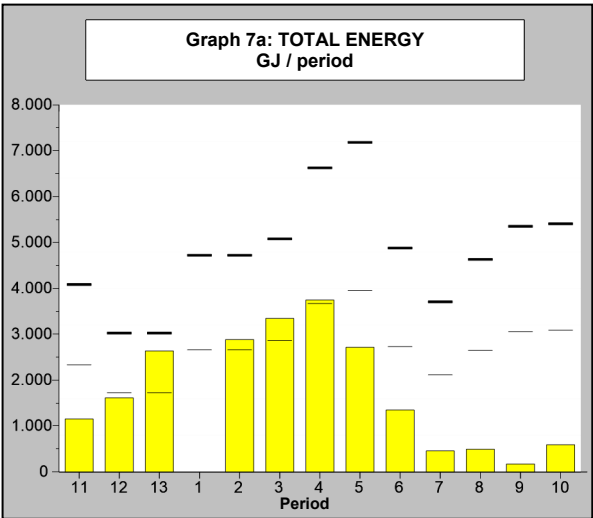
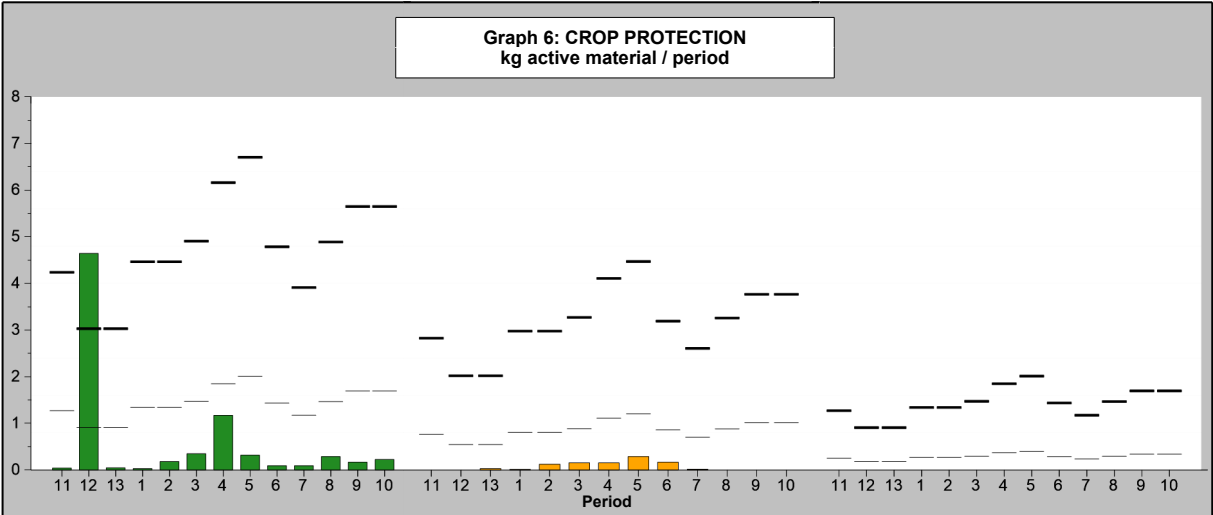
Indoor crops										
4065	POT PLANTS 5	m2	2760	1608	3108	5268	5268	10245	12107	
5065	POT PLANTS 5 par-mat	m2	6500	6500	2786					
Subtotal			9260	8108	5894	5268	5268	10245	12107	
Certified parental material										
661	MPS-ABC certif.parental mat. indoor	m2	9260	8108	5894	5268	5268	10245	12107	

QUALIFICATION AND PERIOD GRAPHS

MPS company number: 760004/14
Company name: Rosa-Danica A/S

Valid: Period 11-2022 until Period 10-2023
Version: 6-11-2023

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MPS-Overview Composition of Qualification

MPS company number: **760004/14**
 Company name: Rosa-Danica A/S

Valid: Period 11-2022 until Period 10-2023
 Version: 6-11-2023

Composition of company standards MPS-OEX (Area Efficiency index)

THEMA		Basic standard		% OEX	Company standard	
		lower- limit	upper- limit		lower- limit	upper- limit
Crop protection	Green				18,6-61,9 kg	7,6 kg
	Amber				11,1-41,3 kg	0,9 kg
	Red				3,7-18,6 kg	0 kg
Energy		28674,4-50789,4 GJ		23 %	35261,7-62456,2 GJ	21178,2 GJ
Nitrogen (N)		1203,7-2402 kg		23 %	1480,4-2954,1 kg	1139,3 kg
Phosphorus (P)		240,7-505,8 kg		23 %	296,1-622,1 kg	255,5 kg

Overview Environmental zones

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

Company usage of MPS-MIND

Pesticide	Indicator color	active ingredient	Annual company unit use of active substance		
			Green	Amber	Red
Azatin EC	●	azadirachtin	0,033		
BB Start	○	bacteria			
	○	ethanol			
	○	garlic extract			
	○	humic acids			
	○	lactic acid			
	○	seaweed extract			
	○	yeast			
BotaniGard WP	○	beauveria bassiana			
Configure	●	6-benzylaminopurine	0,151		
Conserve	●	spinosad	0,461		
Cycocel Extra (19-13)	●	chlormequat chloride	5,529		
Dipel	○	bacillus thuringiensis			
Duxon	○	potassium oleate			
Gnatrol SC	○	bacillus thuringiensis			
Mainspring	●	cyantraniliprole	0,220		
Menno Florades	●	benzoic acid	0,900		
Mycostop	○	streptomyces griseoviridis			
NeemAzal T/S	●	azadirachtin	0,012		
Pediment	○	pirimicarb		0,500	
Pirouette	○	paclobutrazol		0,443	
Prestop WP	○	gliocladium catenulatum			
ReduFuse IR	○	shadingmaterial/ coating			
Redusol	○	shadingmaterial/ coating			
Serenade ASO	○	bacillus subtilis			
SilicaPower	○	silicon			
Subvivo	○	trichoderma spp.			
Sulphur for burning	○	sulfur/sulphur			
Teppeki	●	flonicamid	0,330		
Trium-P	○	trichoderma harzianum			
Turex WP	○	bacillus thuringiensis			
Annual company unit use of active substance			7,636	0,943	0

OVERVIEW RECORDED DATA

MPS company number: **760004/14**

Company name: Rosa-Danica A/S

Valid: Period 11-2022 until Period 10-2023

Version: 6-11-2023

Code	Description	Unit	Period 5	Period 6	Period 7	Period 8	Period 9	Period 10	Subtotal	Year total
FORM RECEIVED			yes	yes	yes	yes	yes	yes		
CROP PROTECTION AGENTS										
990395	Amblyseius / Neoseiulus cucumeris	number	25625000	21500000	1450000	2425000	2400000	2450000	55850000	71050000
3847	Azatin EC	litres	0,29	0,3				0,4	0,99	1,28
3896	BB Start	litres			1000				1000	1000
3794	BotaniGard WP	kg	0,01						0,01	0,05
3787	Configure	litres			0,51	0,64	1,19	3,24	5,58	7,56
3205	Conserve	litres			0,68	1,48	0,15	1,2	3,51	3,84
3022	Cycocel Extra (19-13)	litres	0,38	0,14					0,52	12,02
3113	Dipel	litres				0,4		0,1	0,5	0,5
3235	Duxon	litres		15	30		15		60	60
3366	Gnatrol SC	litres	2,1	1,65	27,34	28,98	3,15		63,22	87
990675	Hypoaspis miles / Stratiolaelaps Scimitus	number	5125000	3250000	4500000	1250000	1625000	1250000	17000000	31925000
3865	Mainspring	kg				0,24	0,31		0,55	0,55
3153	Menno Florades	litres								10
990474	Metarhizium anisopliae	number					40		40	40
3122	Mycostop	kg	0,04	0,06	0,15	0,07	0,02	0,015	0,355	0,435
3785	NeemAzal T/S	litres								1,15
3881	Pediment	kg	0,24	0,2	0,03				0,47	1
3271	Pirouette	litres	41,86	16,82					58,68	110,87
3343	Prestop WP	kg	1,8	1,86	3,88	3,74	1,01	0,95	13,24	18,95
3791	ReduFuse IR	litres			1280				1280	1280
3320	Redusol	litres		960	920				1880	1880
3811	Serenade ASO	litres								8,4
3806	SilicaPower	litres						10	10	10
990515	Steinernema feltiae	number	1500000000	600000000	2100000000	1600000000	1100000000	1050000000	7950000000	13350000000
3836	Subvivo	kg			1,5		0,5	0,5	2,5	8,5
3101	Sulphur for burning	kg								50
3293	Teppeki	kg	0,27	0,04				0,01	0,32	0,66
3830	Trianum-P	kg								1,23
3368	Turex WP	kg				0,4		0,09	0,49	0,49
3816	Wetcit	litres								5

ENERGY

4	Electricity from the grid (Total)	kWh	364327	108020	25222	21782	79858	93616	692825	1917367
6	Green electricity from the grid	kWh	225883	68053	17151	21782	79858	93616	506343	1250684
7	Residual heat usage	GJ	2247	1300	476	570	201	681	5475	20128

OVERVIEW RECORDED DATA (Continued)

MPS company number: **760004/14**

Company name: Rosa-Danica A/S

Valid: Period 11-2022 until Period 10-2023

Version: 6-11-2023

Code	Description	Unit	Period 5	Period 6	Period 7	Period 8	Period 9	Period 10	Subtotal	Year total
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LIGHTING

550001	HP-Hg 400W Conv.	Hour	1	1	1	1	1	1		
		Number								
		kWatt	325262	79165	1932	1	48506	70676		

FERTILIZERS

519	Calcium chloride 80%/85%	kg								50
550	Calcium magnesium carbonate	kg			150,4	284,8	92,8		528	796,8
545	Calcium nitrate (nitrate o	kg		1296	1275,2	142,4	46,4	1200	3960	5340,48
561	Ferrous chelate EDDHA 6%	kg		31,72					31,72	84,95
638	Kalk	kg		729,6	526,4	996,8	324,8		2577,6	3868,61
1076	Ligoplex Ca	litres				5	15		20	20
980	Loker L 2+8+6 (+3.3MgO)	litres			5				5	10
516	Magnesium sulphate	kg	250	200		200			650	1050
1016	Micromax Premium B+Cu+Fe+Mn+Mo+Zn	kg		38,4	37,6	71,2	23,2		170,4	256,03
581	Mono-potassium phosphate	kg	300	150		150			600	850
1084	Multi-Mix 10+15+15 (+4MgO+5CaO) +ME	kg		96					96	142,08
410	Nitric Acid 62%	litres								20
420	NPK 12+6+20	kg			94	178	58		330	498
979	Peters Professional Power P 9+40+25+OE	kg			18,8	35,6	11,6		66	99,6
537	Potassium nitrate (13+0+45)	kg		400		300	200	100	1000	1600
997	SalicylPure	litres	12		12				24	24
919	TBF 17+10+14+4 (Tref Base Fertilizer)	kg	35,34			35,28		35,88	106,5	106,5
631	Wuxal Ca Suspension	litres								10

ENVIRONMENTAL CLUSTERS

Indoor crops										
4072	POT PLANTS 12	m2	11041	4463						
5065	POT PLANTS 5 par-mat	m2	18766	18657	20855	26068	30127	30127		
Subtotal			29807	23120	20855	26068	30127	30127		
Certified parental material										
661	MPS-ABC certif.parental mat. indoor	m2	29807	23120	20855	26068	30127	30127		

OVERVIEW RECORDED DATA (Continued)

MPS company number: 760004/14

Company name: Rosa-Danica A/S

Valid: Period 11-2022 until Period 10-2023

Version: 6-11-2023

GENERAL INFORMATION FORM

MPS-Mind

Surface water

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

Cover

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

Slope

3902 What is the maximum slope of a plot on this location? flat

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? Yes

MPS-OEX

Sidescreens:

3950 Are sidescreens being used during lighting in the night? Yes

Topscreens:

3951 Are topscreens being used during lighting in the night? Yes

3952 If yes, what is the percentage of light-reduction? 95% or more

CO2

3953 Do you apply CO2? Yes

3954 If yes, on what percentage of your heated greenhouse area? 100

3955 If you apply CO2, do you have a closed greenhouse (without ventilation windows)? Yes

3956 If yes, what percentage of the greenhouse with CO2 is a closed greenhouse? 100

Substrate

3957 Do you cultivate cut flowers on substrate? No

Diffuse light

3961 Do you have diffuse glass on your greenhouse? No

3963 Do you have diffuse foil on your foil-greenhouse? No

3965 Do you have diffuse screens on your greenhouse? No

3967 Do you use a diffuse coating on your greenhouse? No

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

OVERVIEW RECORDED DATA

MPS company number: **760004/14**

Company name: Rosa-Danica A/S

Valid: Period 11-2022 until Period 10-2023

Version: 6-11-2023

Code	Description	Unit	Period 11	Period 12	Period 13	Period 1	Period 2	Period 3	Period 4	Subtotal
FORM RECEIVED			yes	yes	yes	yes	yes	yes	yes	
CROP PROTECTION AGENTS										
990395	Amblyseius / Neoseiulus cucumeris	number	1150000	1725000	1750000		3400000	2300000	4875000	15200000
3847	Azatin EC	litres		0,15			0,14			0,29
3896	BB Start	litres								
3794	BotaniGard WP	kg							0,04	0,04
3787	Configure	litres	1,98							1,98
3205	Conserve	litres		0,33						0,33
3022	Cycocel Extra (19-13)	litres		10	0,1	0,03	0,28	0,64	0,45	11,5
3113	Dipel	litres								
3235	Duxon	litres								
3366	Gnatrol SC	litres		2,78	16				5	23,78
990675	Hypoaspis miles / Stratiolaelaps Scimitus	number		2250000	2125000		5250000		5300000	14925000
3865	Mainspring	kg								
3153	Menno Florades	litres							10	10
990474	Metarhizium anisopliae	number								
3122	Mycostop	kg			0,03			0,05		0,08
3785	NeemAzal T/S	litres					0,34	0,43	0,38	1,15
3881	Pediment	kg					0,12	0,21	0,2	0,53
3271	Pirouette	litres			7,76	3,06	15,89	12,59	12,89	52,19
3343	Prestop WP	kg		0,56	1,95		0,44	1,51	1,25	5,71
3791	ReduFuse IR	litres								
3320	Redusol	litres								
3811	Serenade ASO	litres							8,4	8,4
3806	SilicaPower	litres								
990515	Steinernema feltiae	number		3500000000	13000000000		9500000000	9500000000	18500000000	54000000000
3836	Subvivo	kg			0,5		0,5	1,5	3,5	6
3101	Sulphur for burning	kg						25	25	50
3293	Teppeki	kg				0,03	0,09	0,1	0,12	0,34
3830	Trium-P	kg		0,56	0,5		0,17			1,23
3368	Turex WP	kg								
3816	Wetcit	litres							5	5

ENERGY

4	Electricity from the grid (Total)	kWh	42005	94419	185147		321593	268938	312440	1224542
6	Green electricity from the grid	kWh	28143	65149	111088		202604	193635	143722	744341
7	Residual heat usage	GJ	1241	1671	2564		2564	3371	3242	14653

OVERVIEW RECORDED DATA (Continued)

MPS company number: **760004/14**

Company name: Rosa-Danica A/S

Valid: Period 11-2022 until Period 10-2023

Version: 6-11-2023

Code	Description	Unit	Period 11	Period 12	Period 13	Period 1	Period 2	Period 3	Period 4	Subtotal
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LIGHTING

550001	HP-Hg 400W Conv.	Hour	1	1	1	1	1	1	1	
		Number								
		kWatt	72253	164899	164899	296574	296574	244575	282380	

FERTILIZERS

519	Calcium chloride 80%/85%	kg		50						50
550	Calcium magnesium carbonate	kg		38,4			76,8	153,6		268,8
545	Calcium nitrate (nitrate o	kg		19,2			38,4	122,88	1200	1380,48
561	Ferrous chelate EDDHA 6%	kg		50				3,23		53,23
638	Kalk	kg		134,4			268,8	887,81		1291,01
1076	Ligoplex Ca	litres								
980	Loker L 2+8+6 (+3.3MgO)	litres							5	5
516	Magnesium sulphate	kg		200				200		400
1016	Micromax Premium B+Cu+Fe+Mn+Mo+Zn	kg	9,6				19,2	56,83		85,63
581	Mono-potassium phosphate	kg		100				150		250
1084	Multi-Mix 10+15+15 (+4MgO+5CaO) +ME	kg						46,08		46,08
410	Nitric Acid 62%	litres		20						20
420	NPK 12+6+20	kg		24			48	96		168
979	Peters Professional Power P 9+40+25+OE	kg		4,8			9,6	19,2		33,6
537	Potassium nitrate (13+0+45)	kg		300				300		600
997	SalicylPure	litres								
919	TBF 17+10+14+4 (Tref Base Fertilizer)	kg								
631	Wuxal Ca Suspension	litres							10	10

ENVIRONMENTAL CLUSTERS

Indoor crops										
4072	POT PLANTS 12	m2				2483	2483	2483	8725	
5065	POT PLANTS 5 par-mat	m2	22603	16155	16155	19992	19992	22347	19438	
	Subtotal		22603	16155	16155	22475	22475	24830	28163	
Certified parental material										
661	MPS-ABC certif.parental mat. indoor	m2	22603	16155	16155	22475	22475	24830	28163	