



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: **29-1-2024 valid up to and including 19-5-2024**
Total points: **109,6**
Qualification: **A+**

Kind regards,
MPS-ECAS

Signature:

Date of issue:
19-1-2024

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)

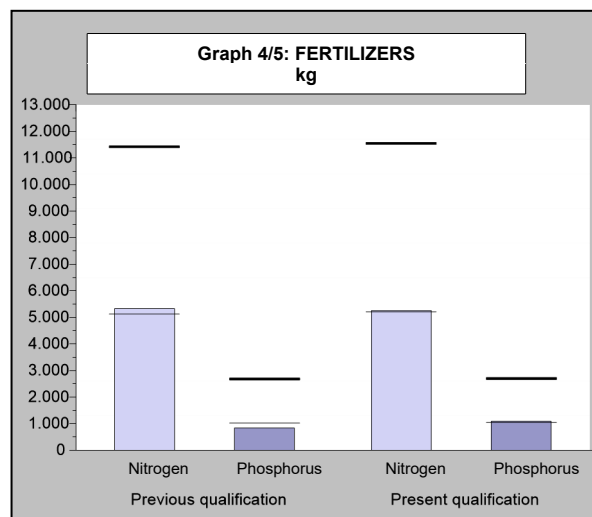
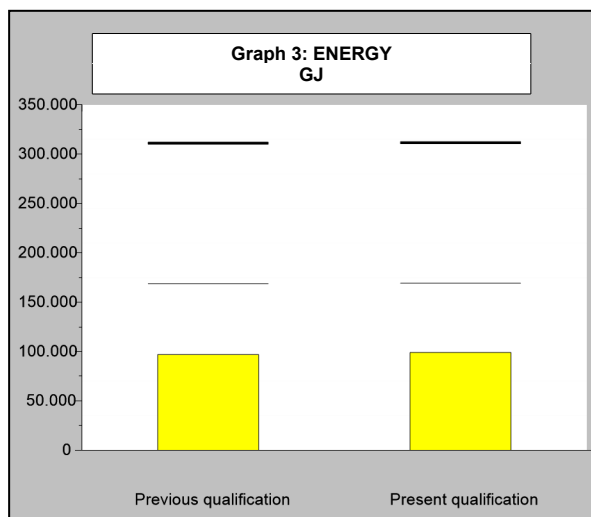
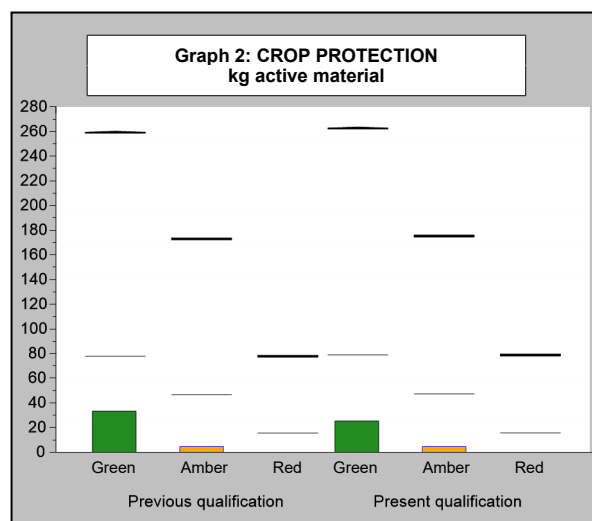
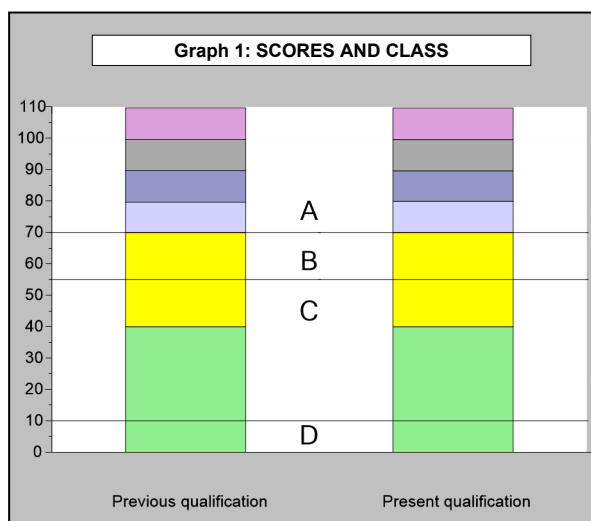
Valid: Period 1-2023 until Period 13-2023
Version: 19-1-2024

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	78,9-262,9 kg	25,4	12	12			
	Amber	47,3-175,2 kg	4,6	16	16			
	Red	15,8-78,9 kg	0	12	12			
total				40	40	85 %	100 %	yes
Energy total		169249,5-311652,9 GJ	99045	30	30	75 %	100 %	yes
Fertilizers	Nitrogen	5209,1-11549,7 kg	5257,8	9,9	10			
	Phosphorus	1041,8-2702,3 kg	1091	9,7	10			
total				19,6	20	75 %	98,1 %	yes
Waste		0-130	130	10	10			
Water								
Certified parental material				10	10			
Total score (points)				109,6	110	90	109,6	yes
COMPANY QUALIFICATION				A+				

COMPANY USAGE PER 13 PERIODS

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

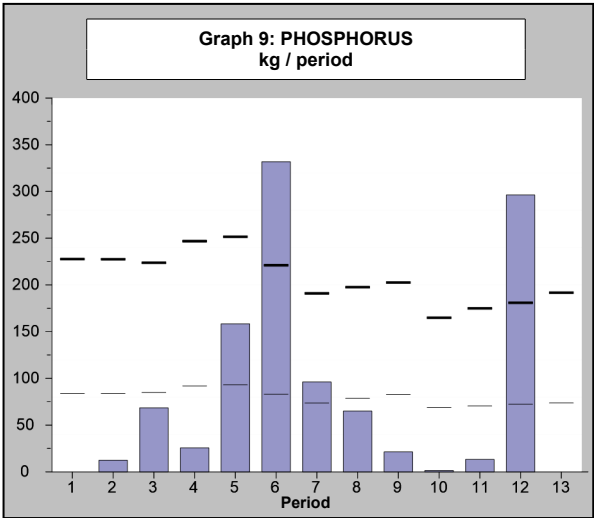
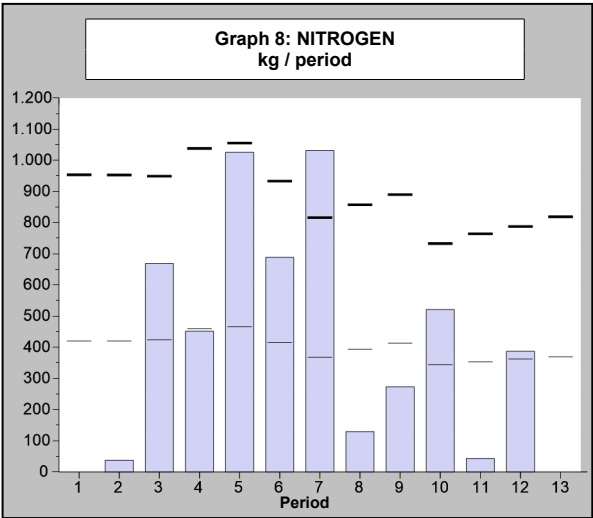
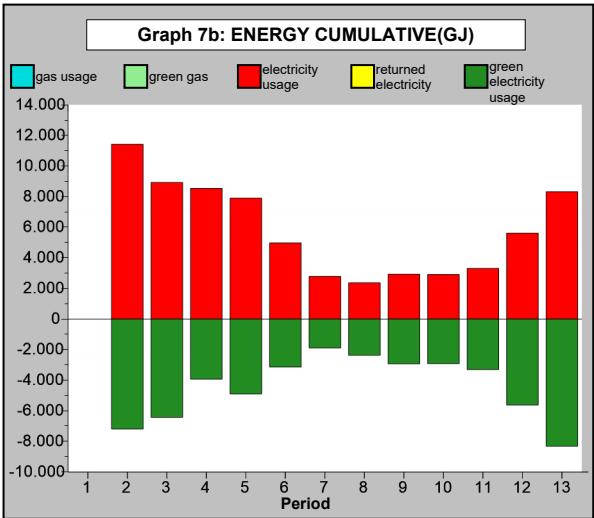
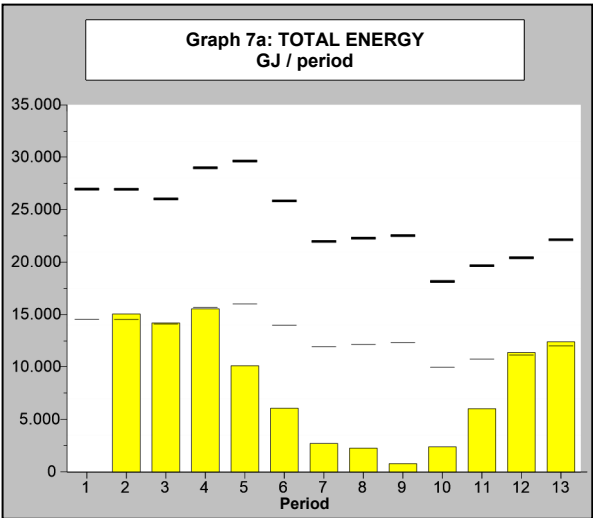
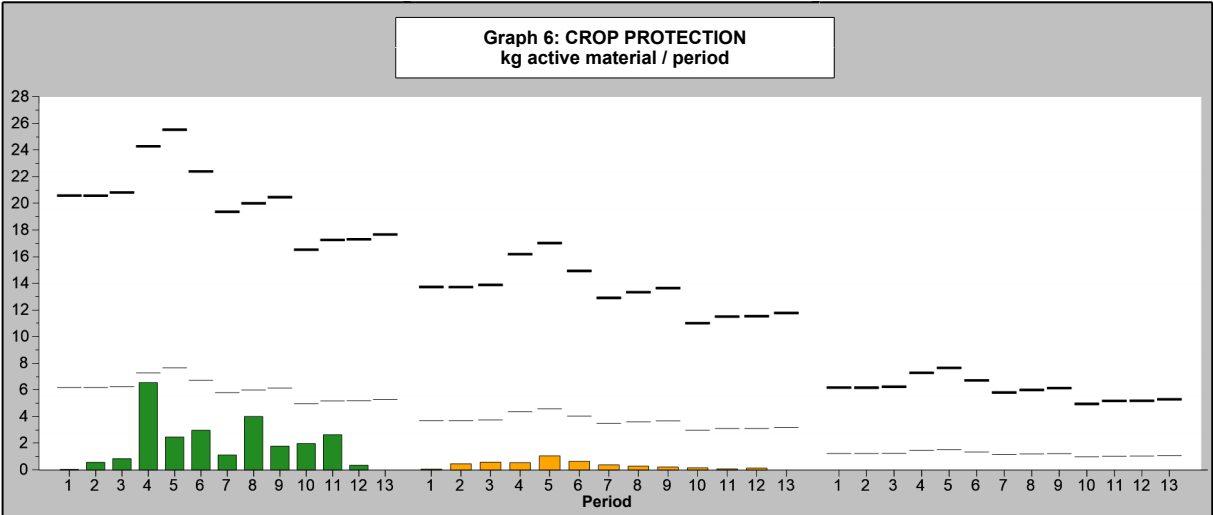


QUALIFICATION AND PERIOD GRAPHS

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

Valid: Period 1-2023 until Period 13-2023
Version: 19-1-2024

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



MPS-Overview Composition of Qualification

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

Valid: Period 1-2023 until Period 13-2023
Version: 19-1-2024

Composition of points MPS environmentally certified parental material

Certified parental material	(Average) area	Your Points	Max points
Total cultivated area 1)	83755,3 m2		
Area certified parental material MPS-ABC	83755,3 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	0,032		
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	2,577		
	●	metaconazole		0,368	
Cerone	●	ethephon	0,144		
Configure	●	6-benzylaminopurine	0,452		
Conserve	●	spinosad	1,624		
Cycocel Extra (19-13)	●	chlormequat chloride	0,883		
Dipel	○	bacillus thuringiensis			
Duxon	○	potassium oleate			
Floramite	●	bifenazate	1,044		
Gnatrol SC	○	bacillus thuringiensis			
Kibrill Bladglans	○	leaf shine			
Kraftreiniger (eMC)	○	micro-organisms			
Lalstop G46 WG	○	fungus			
Mainspring	●	cyantraniliprole	0,556		
Medax Top	●	mepiquat chloride	1,014		
	●	prohexadione-calcium	0,169		

MPS-Overview Composition of Qualification

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

Valid: Period 1-2023 until Period 13-2023
 Version: 19-1-2024

Company usage of MPS-MIND

Pesticide	Indicator color	active ingredient	Annual company use of active substance		
			Green	Amber	Red
Menno Florades	●	benzoic acid	4,500		
MK 5 (Multikraft)	○	bacteria			
MK Blume (Multikraft)	○	bacteria			
	○	plant extract			
MK Gemuse	○	alcohol			
	○	bacteria			
	○	garlic extract			
	○	humic acids			
	○	lactic acid			
	○	seaweed extract			
	○	vinegar			
	○	yeast			
Mospilan SG	●	acetamiprid	0,798		
Mycostop	○	streptomyces griseoviridis			
NeemAzal T/S	●	azadirachtin	0,358		
Pediment	●	pirimicarb		0,500	
Per aqua	○	hydrogen peroxide			
	○	peroxyacetic acid			
Pirouette	●	paclobutrazol		3,731	
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			
Teppeki	●	flonicamid	2,230		
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			25,381	4,636	0

OVERVIEW RECORDED DATA

MPS company number: **760004/01**

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

Valid: Period 1-2023 until Period 13-2023

Version: 19-1-2024

Code	Description	Unit	Period 8	Period 9	Period 10	Period 11	Period 12	Period 13	Subtotal	Year total
CROP PROTECTION AGENTS										
990707	Amblyseius / Neoseiulus andersoni	number	75000	225000	75000				375000	875000
990395	Amblyseius / Neoseiulus cucumeris	number	21625000	21000000	14750000	23125000	18925000		99425000	300175000
3870	AMN BioVit	litres								100
3871	AMN BonaVita	litres								100
3872	AMN Fusek	litres								100
990424	Aphidius colemani	number				3500	3000		6500	6500
3370	AVEC 50000	litres	40		20	40			100	180
3847	Azatin EC	litres			0,4	0,1			0,5	1,23
3918	Bactiva	kg								8
3818	BB Blatt	litres		1000					1000	2000
3817	BB Boden (EM Aktiv)	litres	3000		2000	3000			8000	8000
3896	BB Start	litres				1000			1000	2000
3874	Biplantol Agrar	litres								120
3875	Biplantol Mykos V forte	litres								100
3876	Biplantol X2 forte	litres								100
3794	BotaniGard WP	kg								0,05
3838	Brennnessel Extrakt Konzentrat	litres								400
3352	Caryx	litres	3,17	2,71	2,31	0,63	0,54		9,36	12,27
3028	Cerone	litres	0,01						0,01	0,3
3787	Configure	litres	0,64	1,19	4,83	11,97	3,45		22,08	22,59
3205	Conserve	litres	2,52	3,49	2,52	1,3	0,225		10,055	13,535
3022	Cycocel Extra (19-13)	litres								1,92
3113	Dipel	litres	0,4		0,1				0,5	0,5
3235	Duxon	litres		15					15	60
3279	Floramite	litres	0,8	1,2	0,1	0,17	0,18		2,45	4,35
3366	Gnatrol SC	litres	28,98	3,15		0,6			32,73	68,82
990675	Hypoaspis miles / Stratiolaelaps Scimitus	number	4250000	4250000	2750000	5250000	5875000		22375000	77800000
3313	Kibrill Bladglans	litres		20					20	125
3897	Kraftreiniger (eMC)	litres	20						20	20
3910	Lalstop G46 WG	kg				1,4	5,65		7,05	7,05
3865	Mainspring	kg	0,71	0,6	0,07	0,01			1,39	1,39
3345	Medax Top	litres	0,34	0,13			0,05		0,52	3,38
3153	Menno Florades	litres								50
990474	Metarhizium anisopliae	number		40					40	40
3869	MK 5 (Multikraft)	litres	400	200	6				606	2806
3900	MK Blume (Multikraft)	litres				800	1200		2000	2000
3929	MK Gemuse	litres				650			650	650
3277	Mospilan SG	kg	1,27	0,38					1,65	3,99

OVERVIEW RECORDED DATA (Continued)

MPS company number: **760004/01**

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

Valid: Period 1-2023 until Period 13-2023

Version: 19-1-2024

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

3122	Mycostop	kg	0,07	0,02	0,015	0,003	0,005		0,113	0,413
3785	NeemAzal T/S	litres	2,98	2,78	3,38	2,25			11,39	35,79
3881	Pediment	kg								1
3307	Per aqua	litres	22			40			62	62
990391	Phytoseiulus persimilis	number	40000	66000		480000	480000		1066000	1078000
3271	Pirouette	litres	36,45	36,63	22,7	16,4	29,9		142,08	932,69
3204	Polygrøn X	litres								2,5
3343	Prestop WP	kg	3,74	1,01	0,95	0,72	0,94		7,36	24,56
3301	ReduClean	litres			820	240			1060	1060
3791	ReduFuse IR	litres								1280
3320	Redusol	litres								3340
3837	Schachtelhalm Extrakt Konzentrat	litres	200						200	600
3811	Serenade ASO	litres	23,2	12,8	15,6	18,4			70	204
3806	SilicaPower	litres		10	10	10			30	120
3804	Sodium Bicarbonate (Food Grade) NovaCarb	kg								25
990515	Steinernema feltiae	number	1600000000	1100000000	1300000000	750000000	450000000		5200000000	13150000000
3836	Subvivo	kg	4	5,5	4,5	5,5	9		28,5	68,5
3101	Sulpher for burning	kg				25			25	150
3293	Teppeki	kg	0,3	0,2	0,01	0,09	0,18		0,78	4,46
3819	Terraferf Blatt	litres		600					600	600
3820	Terraferf Boden	litres	600			600			1200	1200
3830	Trianum-P	kg					0,45		0,45	6,78
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		15	55

ENERGY

4	Electricity from the grid (Total)	kWh	430886	533343	530160	601663	1021591	1512240	4629883	12732500
6	Green electricity from the grid	kWh	430886	533343	530160	601663	1021591	1512240	4629883	9627603
7	Residual heat usage	GJ	2608	910	2754	6926	13088	14260	40546	94216

FERTILIZERS

1019	AMN Optiferrum	litres								100
1020	AMN Powerdunger 7+2+3	litres								100
1021	AMN Verde 2+0+3	litres								100
1001	Argicin Plus 15+0+0	litres					6		6	8

OVERVIEW RECORDED DATA (Continued)

MPS company number: **760004/01**

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

Valid: Period 1-2023 until Period 13-2023

Version: 19-1-2024

Code	Description	Unit	Period 8	Period 9	Period 10	Period 11	Period 12	Period 13	Subtotal	Year total
FERTILIZERS (Continued)										
550	Calcium magnesium carbonate	kg	448,8	360,8		168,8	305,6		1284	3247,2
545	Calcium nitrate (nitrate o	kg	266,64	1380,4	2400	135,6	1398,8		5581,44	23816,64
561	Ferrous chelate EDDHA 6%	kg	2,96	25		28,58	3,22		59,76	219,27
1087	GroGreen Feed and Shine 3+0+0	litres								60
638	Kalk	kg	1891,82	1262,8		979,92	1419,2		5553,74	16170,2
1076	Ligoplex Ca	litres	10	20					30	30
980	Loker L 2+8+6 (+3.3MgO)	litres								10
516	Magnesium sulphate	kg	200				1200		1400	5100
1016	Micromax Premium B+Cu+Fe+Mn+Mo+Zn	kg	129,1	90,2		62,68	94,8		376,78	1104,62
581	Mono-potassium phosphate	kg	150				1200		1350	3725
1084	Multi-Mix 10+15+15 (+4MgO+5CaO) +ME	kg	42,24			51,2	46		139,44	632,24
410	Nitric Acid 62%	litres		20		20	20		60	120
420	NPK 12+6+20	kg	280,5	225,5		105,5	191		802,5	2029,5
1086	Pentacil 0.1+0.2+0.7	kg								8
979	Peters Professional Power P 9+40+25+OE	kg	56,1	45,1		21,1	38,2		160,5	405,9
454	Pioner Mikrooplosning med Jern (1.45%)	litres			1000		1000		2000	5000
396	Potassium bi-carbonate	litres	25	25					50	75
537	Potassium nitrate (13+0+45)	kg	300	200	1100		1000		2600	9000
997	SalicylPure	litres		24	12	9	24		69	213
919	TBF 17+10+14+4 (Tref Base Fertilizer)	kg	35,28		35,88		35,04		106,2	141,54
631	Wuxal Ca Suspension	litres		10		10			20	100

ENVIRONMENTAL CLUSTERS

Indoor crops										
4065	POT PLANTS 5	m2	13019	10936	3529	4960	5192	7128		
4072	POT PLANTS 12	m2	43638	40009	28267	34598	35439	42448		
5065	POT PLANTS 5 par-mat	m2	29582	39216	41955	35039	33799	23466		
Subtotal			86238	90162	73750	74597	74430	73042		
Certified parental material										
661	MPS-ABC certif.parental mat. indoor	m2	86238	90162	73750	74597	74430	73042		

OVERVIEW RECORDED DATA

MPS company number: **760004/01**

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

Valid: Period 1-2023 until Period 13-2023

Version: 19-1-2024

Code	Description	Unit	Period 1	Period 2	Period 3	Period 4	Period 5	Period 6	Period 7	Subtotal
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CROP PROTECTION AGENTS

990707	Amblyseius / Neoseiulus andersoni	number		50000	50000	150000	75000	100000	75000	500000
990395	Amblyseius / Neoseiulus cucumeris	number		30400000	18500000	33675000	49625000	48800000	19750000	200750000
3870	AMN BioVit	litres							100	100
3871	AMN BonaVita	litres							100	100
3872	AMN Fusek	litres							100	100
990424	Aphidius colemani	number								
3370	AVEC 50000	litres				40		40		80
3847	Azatin EC	litres		0,14			0,29	0,3		0,73
3918	Bactiva	kg						8		8
3818	BB Blatt	litres					1000			1000
3817	BB Boden (EM Aktiv)	litres								
3896	BB Start	litres							1000	1000
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	0,01			0,05
3838	Brennnessel Extrakt Konzentrat	litres				200	200			400
3352	Caryx	litres					0,56	0,93	1,42	2,91
3028	Cerone	litres		0,11	0,04	0,06	0,03	0,05		0,29
3787	Configure	litres							0,51	0,51
3205	Conserve	litres					1,6		1,88	3,48
3022	Cycocel Extra (19-13)	litres	0,03	0,28	0,64	0,45	0,38	0,14		1,92
3113	Dipel	litres								
3235	Duxon	litres						15	30	45
3279	Floramite	litres			0,38	0,8	0,56		0,16	1,9
3366	Gnatrol SC	litres				5	2,1	1,65	27,34	36,09
990675	Hypoaspis miles / Stratiolaelaps Scimitus	number		10250000	4000000	12800000	11125000	9250000	8000000	55425000
3313	Kibrill Bladglans	litres		20	5	20	20	20	20	105
3897	Kraftreiniger (eMC)	litres								
3910	Lalstop G46 WG	kg								
3865	Mainspring	kg								
3345	Medax Top	litres		0,15	0,33	0,59	0,76	0,69	0,34	2,86
3153	Menno Florades	litres				40	10			50
990474	Metarhizium anisopliae	number								
3869	MK 5 (Multikraft)	litres				800	600	400	400	2200
3900	MK Blume (Multikraft)	litres								
3929	MK Gemuse	litres								
3277	Mospilan SG	kg						1,42	0,92	2,34

OVERVIEW RECORDED DATA (Continued)

MPS company number: 760004/01

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

Valid: Period 1-2023 until Period 13-2023

Version: 19-1-2024

Code	Description	Unit	Period 1	Period 2	Period 3	Period 4	Period 5	Period 6	Period 7	Subtotal
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CROP PROTECTION AGENTS (Continued)

3122	Mycostop	kg			0,05		0,04	0,06	0,15	0,3
3785	NeemAzal T/S	litres	1,5	4,39	3,13	4,43	4,2	3	3,75	24,4
3881	Pediment	kg		0,12	0,21	0,2	0,24	0,2	0,03	1
3307	Per aqua	litres								
990391	Phytoseiulus persimilis	number							12000	12000
3271	Pirouette	litres	15,76	101,2	120,57	112,8	230,31	130,52	79,45	790,61
3204	Polygrøn X	litres						2,5		2,5
3343	Prestop WP	kg		1,27	2,86	2	3,15	2,99	4,93	17,2
3301	ReduClean	litres								
3791	ReduFuse IR	litres							1280	1280
3320	Redusol	litres				740	380	1300	920	3340
3837	Schachtelhalm Extrakt Konzentrat	litres				200	200			400
3811	Serenade ASO	litres	4,8	25,6	24,8	24,4	22,4	16	16	134
3806	SilicaPower	litres		10	20	10	30	10	10	90
3804	Sodium Bicarbonate (Food Grade) NovaCarb	kg		25						25
990515	Steinernema feltiae	number		9500000000	9500000000	18500000000	15000000000	6000000000	21000000000	79500000000
3836	Subvivo	kg		8	6	9,5	6	3,5	7	40
3101	Sulpher for burning	kg		25	25	25	25		25	125
3293	Teppeki	kg	0,03	0,57	0,6	0,54	1,26	0,26	0,42	3,68
3819	Terraferat Blatt	litres								
3820	Terraferat Boden	litres								
3830	Trianum-P	kg		1	1,35	0,75	1,35	1,13	0,75	6,33
3368	Turex WP	kg								
3251	Vertimec	litres								
3816	Wetcit	litres		5	10	10	5	5	5	40

ENERGY

4	Electricity from the grid (Total)	kWh		2077113	1623832	1553251	1436363	905234	506824	8102617
6	Green electricity from the grid	kWh		1308582	1169158	714495	890546	570298	344641	4997720
7	Residual heat usage	GJ		12457	13463	12587	8189	4874	2100	53670

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							2	2

OVERVIEW RECORDED DATA (Continued)

MPS company number: **760004/01**

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

Valid: Period 1-2023 until Period 13-2023

Version: 19-1-2024

Code	Description	Unit	Period 1	Period 2	Period 3	Period 4	Period 5	Period 6	Period 7	Subtotal
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FERTILIZERS (Continued)

550	Calcium magnesium carbonate	kg		163,2	481,6	333,6	332	253,6	399,2	1963,2
545	Calcium nitrate (nitrate o	kg		123,84	2730,4	2653,84	3859,44	3865,04	5002,64	18235,2
561	Ferrous chelate EDDHA 6%	kg		2,96	6,28	31,09	31,54	34,68	52,96	159,51
1087	GroGreen Feed and Shine 3+0+0	litres				60				60
638	Kalk	kg		892,22	2366,56	1829,1	1872,14	1938,22	1718,22	10616,46
1076	Ligoplex Ca	litres								
980	Loker L 2+8+6 (+3.3MgO)	litres				5			5	10
516	Magnesium sulphate	kg			200		1775	200	1525	3700
1016	Micromax Premium B+Cu+Fe+Mn+Mo+Zn	kg		57,7	156,24	118,22	120,38	118,7	156,6	727,84
581	Mono-potassium phosphate	kg			150		575	1350	300	2375
1084	Multi-Mix 10+15+15 (+4MgO+5CaO) +ME	kg		42,24	89,6	87,04	93,44	138,24	42,24	492,8
410	Nitric Acid 62%	litres						20	40	60
420	NPK 12+6+20	kg		102	301	208,5	207,5	158,5	249,5	1227
1086	Pentacil 0.1+0.2+0.7	kg						8		8
979	Peters Professional Power P 9+40+25+OE	kg		20,4	60,2	41,7	41,5	31,7	49,9	245,4
454	Pioner Mikrooplosning med Jern (1.45%)	litres			1000		1000		1000	3000
396	Potassium bi-carbonate	litres			25					25
537	Potassium nitrate (13+0+45)	kg			1500		2950	400	1550	6400
997	SalicylPure	litres		12	24	12	36	24	36	144
919	TBF 17+10+14+4 (Tref Base Fertilizer)	kg					35,34			35,34
631	Wuxal Ca Suspension	litres		10	10	30	10	10	10	80

ENVIRONMENTAL CLUSTERS

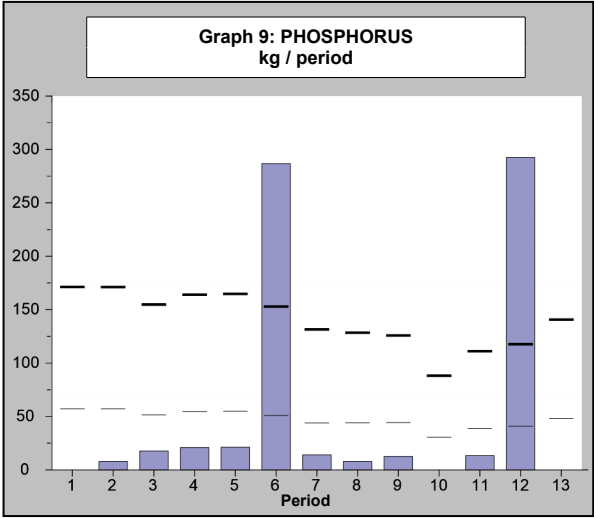
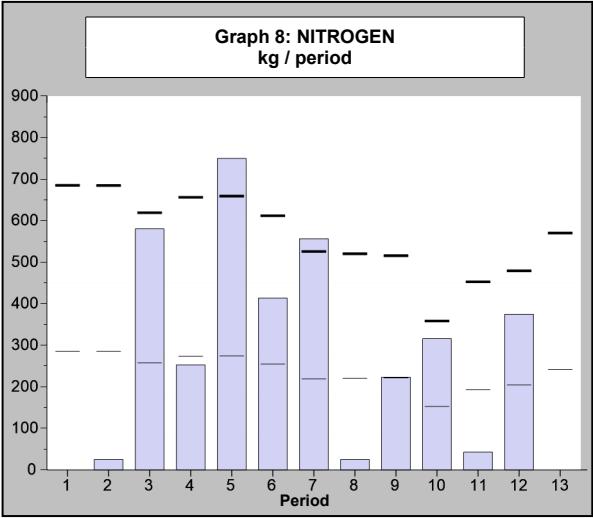
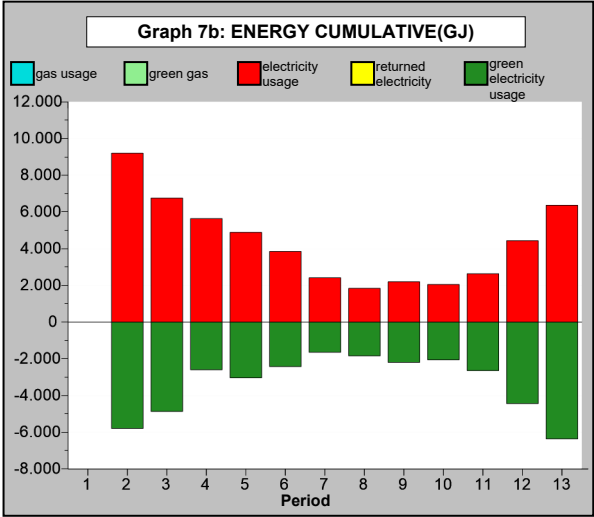
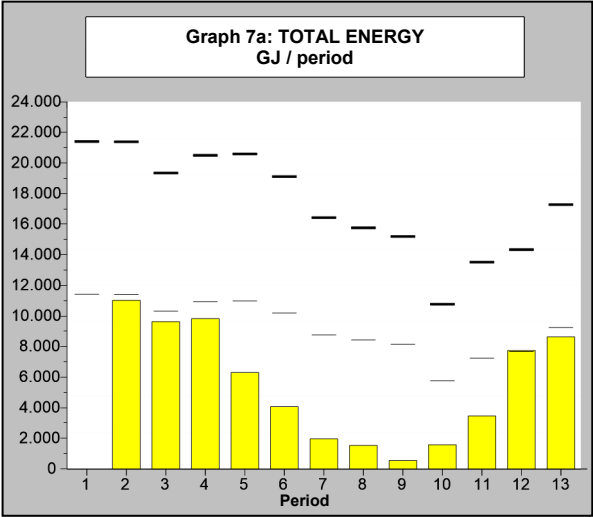
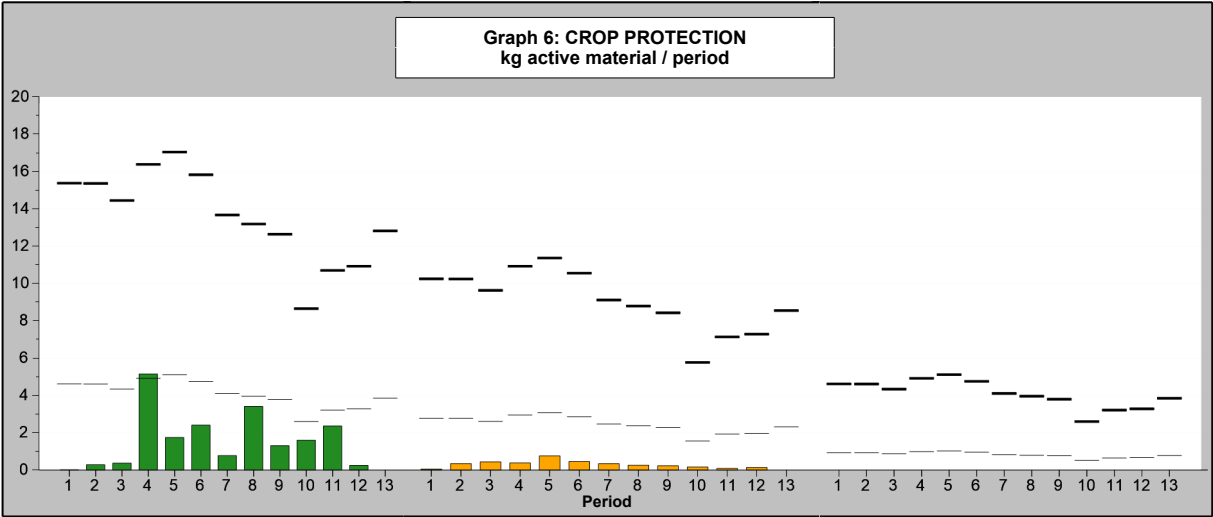
Indoor crops										
4065	POT PLANTS 5	m2	5268	5268	10245	12107	12428	12428	12428	
4072	POT PLANTS 12	m2	55771	55725	52552	65507	70119	59323	47384	
5065	POT PLANTS 5 par-mat	m2	19992	19992	22347	19438	18766	18657	20855	
Subtotal			81031	80985	85144	97051	101313	90408	80667	
Certified parental material										
661	MPS-ABC certif.parental mat. indoor	m2	81031	80985	85144	97051	101313	90408	80667	

QUALIFICATION AND PERIOD GRAPHS

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

Valid: Period 1-2023 until Period 13-2023
Version: 19-1-2024

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



MPS-Overview Composition of Qualification

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

Valid: Period 1-2023 until Period 13-2023
Version: 19-1-2024

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

THEMA		Basic standard		% OEX	Companystandard	
		lower- limit	upper- limit		lower- limit	upper- limit
Crop protection	Green				53,1-177 kg	19,6 kg
	Amber				31,9-118 kg	3,6 kg
	Red				10,6-53,1 kg	0 kg
Energy		94392,3-176707,7 GJ		27,7 %	120548,3-225677,7 GJ	66329,4 GJ
Nitrogen (N)		2415,4-5746,9 kg		27,7 %	3083,8-7338 kg	3559,8 kg
Phosphorus (P)		483,1-1427 kg		27,7 %	616,8-1822,2 kg	695 kg

Overview Environmental zones

Period	1	2	3	4	5	6	7	8	9	10	11	12	13
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 companyunit 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			
Brennnessel Extrakt Konzentrat	○	micro-organisms			
Caryx	●	mepiquat chloride	2,062		
	●	metaconazole		0,295	
Configure	●	6-benzylaminopurine	0,038		
Conserve	●	spinosad	0,870		
Floramite	●	bifenazate	0,900		
Kibrill Bladglans	○	leaf shine			
Kraftreiniger (eMC)	○	micro-organisms			
Lalstop G46 WG	○	fungus			
Mainspring	●	cyantraniliprole	0,216		
Menno Florades	●	benzoic acid	3,600		
MK 5 (Multikraft)	○	bacteria			

MPS-Overview Composition of Qualification

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

Valid: Period 1-2023 until Period 13-2023
 Version: 19-1-2024

Company usage of MPS-MIND

Pesticide	Indicator color	active ingredient	Annual company unit use of active substance		
			Green	Amber	Red
MK Blume (Multikraft)	○	bacteria			
MK Blume (Multikraft)	○	plant extract			
MK Gemuse	○	alcohol			
	○	bacteria			
	○	garlic extract			
	○	humic acids			
	○	lactic acid			
	○	seaweed extract			
	○	vinegar			
	○	yeast			
Mospilan SG	●	acetamiprid	0,736		
NeemAzal T/S	●	azadirachtin	0,346		
Per aqua	○	hydrogen peroxide			
	○	peroxyacetic acid			
Pirouette	●	paclobutrazol		3,293	
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.			
Sulpher for burning	○	sulfur/sulphur			
Teppeki	●	flonicamid	1,855		
Terrafert Blatt	○	micro-organisms			
Terrafert Boden	○	micro-organisms			
Vertimec	●	abamectin		0,023	
Annual company unit use of active substance			19,623	3,611	0

OVERVIEW RECORDED DATA

MPS company number: **760004/11**

Company name: Rosa-Danica A/S

Valid: Period 1-2023 until Period 13-2023

Version: 19-1-2024

Code	Description	Unit	Period 8	Period 9	Period 10	Period 11	Period 12	Period 13	Subtotal	Year total
FORM RECEIVED			yes	yes	yes	yes	yes	yes		
CROP PROTECTION AGENTS										
990707	Amblyseius / Neoseiulus andersoni	number	75000	225000	75000				375000	875000
990395	Amblyseius / Neoseiulus cucumeris	number	19200000	18600000	12300000	19500000	15600000		85200000	226800000
3870	AMN BioVit	litres								100
3871	AMN BonaVita	litres								100
3872	AMN Fusek	litres								100
990424	Aphidius colemani	number				3500	3000		6500	6500
3370	AVEC 50000	litres	40		20	40			100	180
3918	Bactiva	kg								8
3818	BB Blatt	litres		1000					1000	2000
3817	BB Boden (EM Aktiv)	litres	3000		2000	3000			8000	8000
3896	BB Start	litres				1000			1000	1000
3874	Biplantol Agrar	litres								120
3875	Biplantol Mykos V forte	litres								100
3876	Biplantol X2 forte	litres								100
3838	Brennnessel Extrakt Konzentrat	litres								400
3352	Caryx	litres	2,93	2,66	2,31	0,63	0,54		9,07	9,82
3787	Configure	litres				1,92			1,92	1,92
3205	Conserve	litres	0,98	2,64	0,22	0,61			4,45	7,25
3279	Floramite	litres	0,8	0,6	0,1	0,17	0,18		1,85	3,75
990675	Hypoaspis miles / Stratiolaelaps Scimitus	number	3000000	2625000	1500000	1875000	1500000		10500000	42500000
3313	Kibrill Bladglans	litres		20					20	125
3897	Kraftreiniger (eMC)	litres	20						20	20
3910	Lalstop G46 WG	kg				1,4	5,65		7,05	7,05
3865	Mainspring	kg	0,27	0,19	0,07	0,01			0,54	0,54
3153	Menno Florades	litres								40
3869	MK 5 (Multikraft)	litres	400	200	6				606	2806
3900	MK Blume (Multikraft)	litres				800	1200		2000	2000
3929	MK Gemuse	litres				650			650	650
3277	Mospilan SG	kg	0,96	0,38					1,34	3,68
3785	NeemAzal T/S	litres	2,98	2,78	3,38	2,25			11,39	34,64
3307	Per aqua	litres	22			40			62	62
990391	Phytoseiulus persimilis	number	40000	66000		480000	480000		1066000	1078000
3271	Pirouette	litres	36,45	36,63	22,7	16,4	29,9		142,08	823,27
3204	Polygrøn X	litres								2,5
3301	ReduClean	litres			820	240			1060	1060
3320	Redusol	litres								1120

OVERVIEW RECORDED DATA (Continued)

MPS company number: 760004/11

Company name: Rosa-Danica A/S

Valid: Period 1-2023 until Period 13-2023

Version: 19-1-2024

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

3837	Schachtelhalm Extrakt Konzentrat	litres	200						200	600
3811	Serenade ASO	litres	23,2	12,8	15,6	18,4			70	195,6
3806	SilicaPower	litres		10		10			20	110
3804	Sodium Bicarbonate (Food Grade) NovaCarb	kg								25
990515	Steinernema feltiae	number			250000000				250000000	250000000
3836	Subvivo	kg	4	5	4	5	8,5		26,5	59,5
3101	Sulpher for burning	kg				25			25	100
3293	Teppeki	kg	0,3	0,2		0,09	0,18		0,77	3,71
3819	Terraferf Blatt	litres		600					600	600
3820	Terraferf Boden	litres	600			600			1200	1200
3251	Vertimec	litres	1,29						1,29	1,29
3816	Wetcit	litres	5	5			5		15	50

ENERGY

4	Electricity from the grid (Total)	kWh	334086	399666	373043	479978	807174	1156933	3550880	9508888
6	Green electricity from the grid	kWh	334086	399666	373043	479978	807174	1156933	3550880	7253761
7	Residual heat usage	GJ	1764	637	1817	3979	8903	9922	27022	61984

LIGHTING

550001	HP-Hg 400W Conv.	Hour	1	1	1	1	1	1		
		Number								
		kWatt	267379	334594	312145	430854	745803	1104455		

FERTILIZERS

1019	AMN Optiferrum	litres								100
1020	AMN Powerdunger 7+2+3	litres								100
1021	AMN Verde 2+0+3	litres								100
1001	Argicin Plus 15+0+0	litres					6		6	8
550	Calcium magnesium carbonate	kg	87,2	212,8		168,8	267,2		736	1932
545	Calcium nitrate (nitrate o	kg	85,84	1306,4	1200	135,6	1379,6		4107,44	15856,16
561	Ferrous chelate EDDHA 6%	kg	2,96	25		28,58	3,22		59,76	159,32
1087	GroGreen Feed and Shine 3+0+0	litres								60
638	Kalk	kg	626,22	744,8		979,92	1284,8		3635,74	10487,19
516	Magnesium sulphate	kg					1200		1200	3600
1016	Micromax Premium B+Cu+Fe+Mn+Mo+Zn	kg	38,7	53,2		62,68	85,2		239,78	679,09

OVERVIEW RECORDED DATA (Continued)

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

Valid: Period 1-2023 until Period 13-2023
Version: 19-1-2024

Code	Description	Unit	Period 8	Period 9	Period 10	Period 11	Period 12	Period 13	Subtotal	Year total
FERTILIZERS (Continued)										
581	Mono-potassium phosphate	kg					1200		1200	2400
1084	Multi-Mix 10+15+15 (+4MgO+5CaO) +ME	kg	42,24			51,2	46		139,44	490,16
410	Nitric Acid 62%	litres		20		20	20		60	120
420	NPK 12+6+20	kg	54,5	133		105,5	167		460	1207,5
1086	Pentacil 0.1+0.2+0.7	kg								8
979	Peters Professional Power P 9+40+25+OE	kg	10,9	26,6		21,1	33,4		92	241,5
454	Pioner Mikrooplosning med Jern (1.45%)	litres			1000				1000	4000
396	Potassium bi-carbonate	litres	25	25					50	75
537	Potassium nitrate (13+0+45)	kg			1000		1000		2000	6600
997	SalicylPure	litres		24	12	9	24		69	189
631	Wuxal Ca Suspension	litres		10		10			20	90

ENVIRONMENTAL CLUSTERS

Indoor crops										
4065	POT PLANTS 5	m2	4104	7597	3421	4960	4853	3960		
4072	POT PLANTS 12	m2	43638	40009	28267	34598	35439	42448		
	Subtotal		47742	47607	31688	39558	40292	46408		
Certified parental material										
661	MPS-ABC certif.parental mat. indoor	m2	47742	47607	31688	39558	40292	46408		

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

OVERVIEW RECORDED DATA (Continued)

MPS company number: 760004/11

Company name: Rosa-Danica A/S

Valid: Period 1-2023 until Period 13-2023

Version: 19-1-2024

GENERAL INFORMATION FORM

MPS-Mind

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: **760004/11**

Company name: Rosa-Danica A/S

Valid: Period 1-2023 until Period 13-2023

Version: 19-1-2024

Code	Description	Unit	Period 1	Period 2	Period 3	Period 4	Period 5	Period 6	Period 7	Subtotal
FORM RECEIVED			yes	yes	yes	yes	yes	yes	yes	
CROP PROTECTION AGENTS										
990707	Amblyseius / Neoseiulus andersoni	number		50000	50000	150000	75000	100000	75000	500000
990395	Amblyseius / Neoseiulus cucumeris	number		27000000	16200000	28800000	24000000	27300000	18300000	141600000
3870	AMN BioVit	litres							100	100
3871	AMN BonaVita	litres							100	100
3872	AMN Fusek	litres							100	100
990424	Aphidius colemani	number								
3370	AVEC 50000	litres				40		40		80
3918	Bactiva	kg						8		8
3818	BB Blatt	litres					1000			1000
3817	BB Boden (EM Aktiv)	litres								
3896	BB Start	litres								
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			400
3352	Caryx	litres							0,75	0,75
3787	Configure	litres								
3205	Conserve	litres					1,6		1,2	2,8
3279	Floramite	litres			0,38	0,8	0,56		0,16	1,9
990675	Hypoaspis miles / Stratiolaelaps Scimitus	number		5000000	4000000	7500000	6000000	6000000	3500000	32000000
3313	Kibrill Bladglans	litres		20	5	20	20	20	20	105
3897	Kraftreiniger (eMC)	litres								
3910	Lalstop G46 WG	kg								
3865	Mainspring	kg								
3153	Menno Florades	litres				30	10			40
3869	MK 5 (Multikraft)	litres				800	600	400	400	2200
3900	MK Blume (Multikraft)	litres								
3929	MK Gemuse	litres								
3277	Mospilan SG	kg						1,42	0,92	2,34
3785	NeemAzal T/S	litres	1,5	4,05	2,7	4,05	4,2	3	3,75	23,25
3307	Per aqua	litres								
990391	Phytoseiulus persimilis	number							12000	12000
3271	Pirouette	litres	12,7	84,78	107,98	94,13	188,45	113,7	79,45	681,19
3204	Polygrøn X	litres						2,5		2,5
3301	ReduClean	litres								
3320	Redusol	litres				740	380			1120

OVERVIEW RECORDED DATA (Continued)

MPS company number: **760004/11**

Company name: Rosa-Danica A/S

Valid: Period 1-2023 until Period 13-2023

Version: 19-1-2024

Code	Description	Unit	Period 1	Period 2	Period 3	Period 4	Period 5	Period 6	Period 7	Subtotal
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CROP PROTECTION AGENTS (Continued)

3837	Schachtelhalm Extrakt Konzentrat	litres				200	200			400
3811	Serenade ASO	litres	4,8	25,6	24,8	16	22,4	16	16	125,6
3806	SilicaPower	litres		10	20	10	30	10	10	90
3804	Sodium Bicarbonate (Food Grade) NovaCarb	kg		25						25
990515	Steinernema feltiae	number								
3836	Subvivo	kg		7,5	4,5	6	6	3,5	5,5	33
3101	Sulpher for burning	kg		25			25		25	75
3293	Teppeki	kg		0,48	0,5	0,42	0,95	0,17	0,42	2,94
3819	Terraferf Blatt	litres								
3820	Terraferf Boden	litres								
3251	Vertimec	litres								
3816	Wetcit	litres		5	10	5	5	5	5	35

ENERGY

4	Electricity from the grid (Total)	kWh		1673157	1229627	1026223	888827	699882	440292	5958008
6	Green electricity from the grid	kWh		1054089	885331	472063	551073	440926	299399	3702881
7	Residual heat usage	GJ		8755	8888	7789	5117	3042	1371	34962

LIGHTING

550001	HP-Hg 400W Conv.	Hour	1	1	1	1	1	1	1	
		Number								
		kWatt	1604136	1604136	1165348	958774	814748	627673	371828	

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						2		2
550	Calcium magnesium carbonate	kg		86,4	250,4	257,6	256	175,2	170,4	1196
545	Calcium nitrate (nitrate o	kg		85,44	2568,72	1415,84	2621,44	2529,84	2527,44	11748,72
561	Ferrous chelate EDDHA 6%	kg		2,96	3,05	31,09	31,54	2,96	27,96	99,56
1087	GroGreen Feed and Shine 3+0+0	litres				60				60
638	Kalk	kg		623,42	1207,15	1563,1	1606,14	934,22	917,42	6851,45
516	Magnesium sulphate	kg					1200		1200	2400
1016	Micromax Premium B+Cu+Fe+Mn+Mo+Zn	kg		38,5	80,01	99,22	101,38	60,7	59,5	439,31

OVERVIEW RECORDED DATA (Continued)

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

Valid: Period 1-2023 until Period 13-2023
Version: 19-1-2024

Code	Description	Unit	Period 1	Period 2	Period 3	Period 4	Period 5	Period 6	Period 7	Subtotal
FERTILIZERS (Continued)										
581	Mono-potassium phosphate	kg						1200		1200
1084	Multi-Mix 10+15+15 (+4MgO+5CaO) +ME	kg		42,24	43,52	87,04	93,44	42,24	42,24	350,72
410	Nitric Acid 62%	litres						20	40	60
420	NPK 12+6+20	kg		54	156,5	161	160	109,5	106,5	747,5
1086	Pentacil 0.1+0.2+0.7	kg						8		8
979	Peters Professional Power P 9+40+25+OE	kg		10,8	31,3	32,2	32	21,9	21,3	149,5
454	Pioner Mikrooplosning med Jern (1.45%)	litres			1000		1000		1000	3000
396	Potassium bi-carbonate	litres			25					25
537	Potassium nitrate (13+0+45)	kg			1200		2400		1000	4600
997	SalicylPure	litres		12	24	12	24	24	24	120
631	Wuxal Ca Suspension	litres		10	10	20	10	10	10	70

ENVIRONMENTAL CLUSTERS

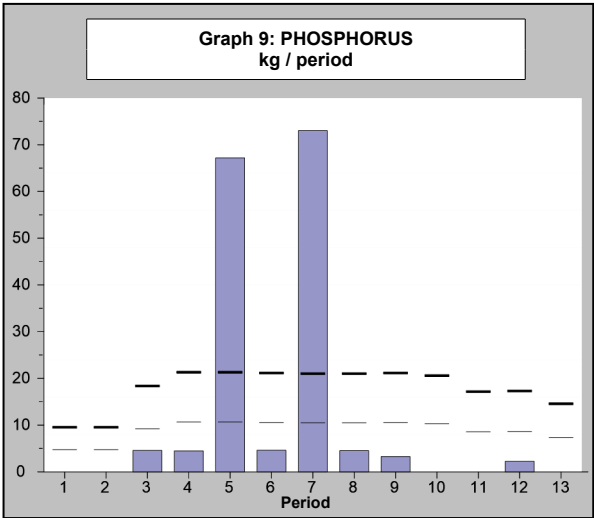
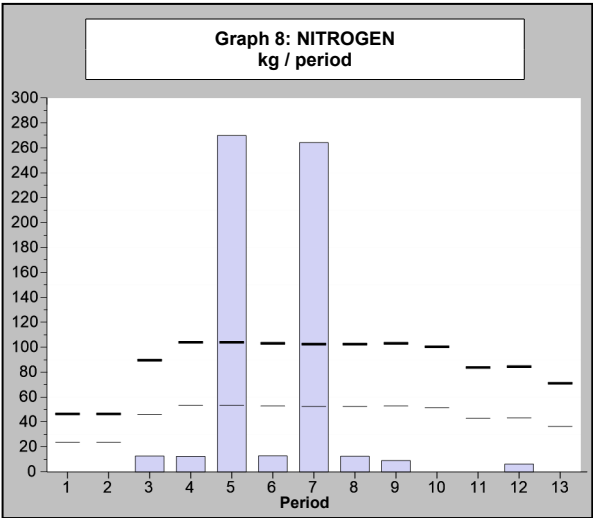
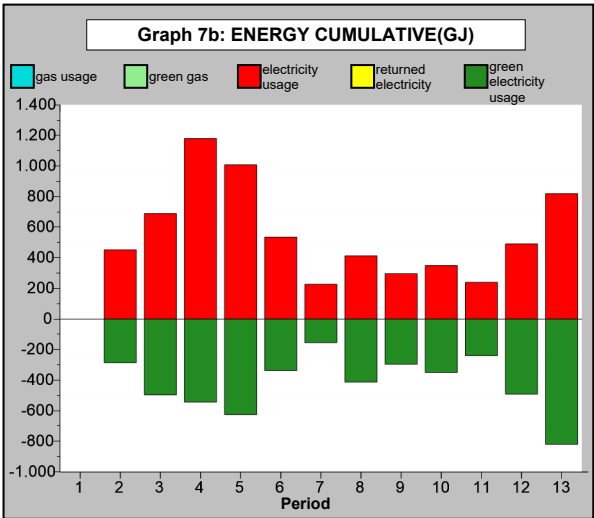
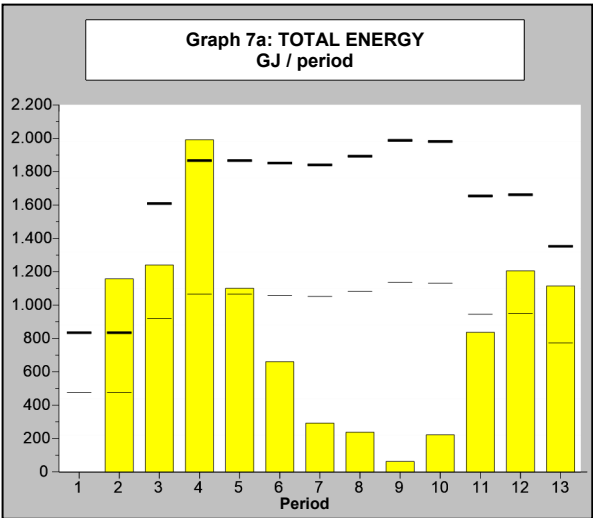
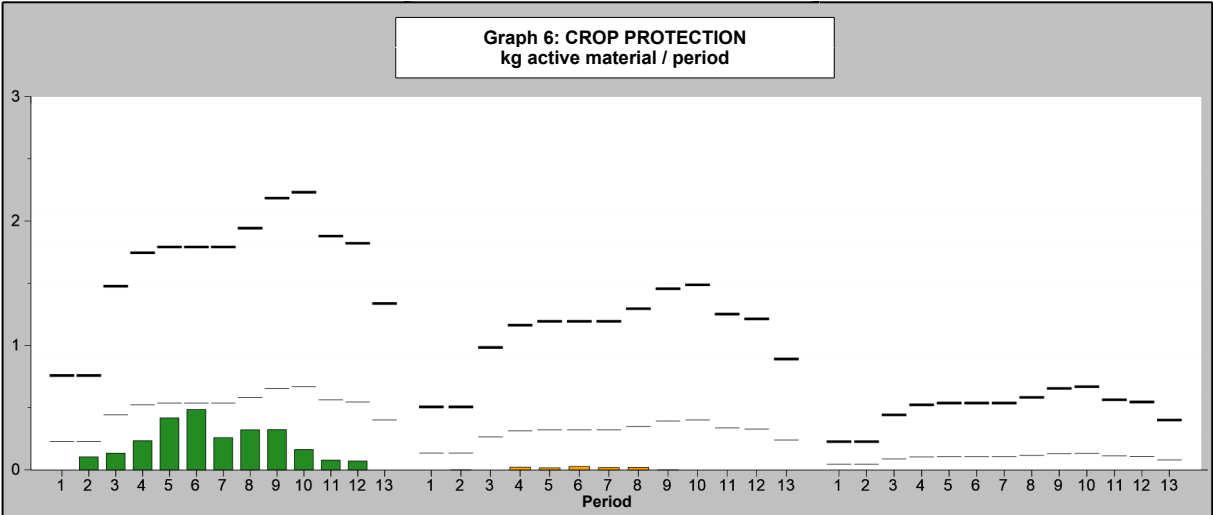
Indoor crops									
4065	POT PLANTS 5	m2							
4072	POT PLANTS 12	m2	53288	53242	50069	56782	59078	54860	47384
Subtotal			53288	53242	50069	56782	59078	54860	47384
Certified parental material									
661	MPS-ABC certif.parental mat. indoor	m2	53288	53242	50069	56782	59078	54860	47384

QUALIFICATION AND PERIOD GRAPHS

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

Valid: Period 1-2023 until Period 13-2023
Version: 19-1-2024

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MPS-Overview Composition of Qualification

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

Valid: Period 1-2023 until Period 13-2023
 Version: 19-1-2024

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

THEMA		Basic standard		% OEX	Companystandard	
		lower-limit	upper-limit		lower-limit	upper-limit
Crop protection	Green				6,5-21,5 kg	2,6 kg
	Amber				3,9-14,4 kg	0,1 kg
	Red				1,3-6,5 kg	0 kg
Energy		10732,1-18781,1 GJ		13 %	12131,5-21230,1 GJ	10124,4 GJ
Nitrogen (N)		517,9-1009,9 kg		13 %	585,5-1141,6 kg	600,1 kg
Phosphorus (P)		103,6-207,2 kg		13 %	117,1-234,2 kg	164,1 kg

Overview Environmental zones

Period	1	2	3	4	5	6	7	8	9	10	11	12	13
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	0,144		
Configure	●	6-benzylaminopurine	0,157		
Conserve	●	spinosad	0,232		
Floramite	●	bifenazate	0,144		
Mainspring	●	cyantraniliprole	0,120		
Medax Top	●	mepiquat chloride	1,014		
	●	prohexadione-calcium	0,169		
Mospilan SG	●	acetamiprid	0,062		
Pirouette	●	paclobutrazol		0,025	
Prestop WP	○	gliocladium catenulatum			
Redusol	○	shadingmaterial/ coating			
Subvivo	○	trichoderma spp.			
Teppeki	●	flonicamid	0,045		
Triatum-P	○	trichoderma harzianum			
Vertimec	●	abamectin		0,014	
Annual company unit use of active substance			2,601	0,113	0

OVERVIEW RECORDED DATA

MPS company number: **760004/13**

Company name: Rosa-Danica A/S

Valid: Period 1-2023 until Period 13-2023

Version: 19-1-2024

Code	Description	Unit	Period 8	Period 9	Period 10	Period 11	Period 12	Period 13	Subtotal	Year total
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FORM RECEIVED

yes yes yes yes yes yes

CROP PROTECTION AGENTS

3352 Caryx	litres	0,24	0,05						0,29	2,45
3028 Cerone	litres	0,01							0,01	0,3
3787 Configure	litres			1,59	4,02	2,25			7,86	7,86
3205 Conserve	litres	0,06	0,7	1,1		0,075			1,935	1,935
3279 Floramite	litres		0,6						0,6	0,6
3865 Mainspring	kg	0,2	0,1						0,3	0,3
3345 Medax Top	litres	0,34	0,13			0,05			0,52	3,38
3277 Mospilan SG	kg	0,31							0,31	0,31
3271 Pirouette	litres									6,31
3343 Prestop WP	kg					0,45			0,45	6,91
3320 Redusol	litres									340
3836 Subvivo	kg				0,5				0,5	0,5
3293 Teppeki	kg									0,09
3830 Trianum-P	kg					0,45			0,45	6,61
3251 Vertimec	litres	0,76							0,76	0,76

ENERGY

4 Electricity from the grid (Total)	kWh	75018	53819	63501	43544	89288	148914	474084	1218153
6 Green electricity from the grid	kWh	75018	53819	63501	43544	89288	148914	474084	917875
7 Residual heat usage	GJ	274	72	256	962	1386	1281	4231	9739

LIGHTING

550001 HP-Hg 400W Conv.	Hour	1	1	1	1	1	1		
	Number								
	kWatt	53280	35530	44862	21622	75186	129259		

FERTILIZERS

550 Calcium magnesium carbonate	kg	76,8	55,2			38,4		170,4	556,8
545 Calcium nitrate (nitrate o	kg	38,4	27,6			19,2		85,2	2639,2
561 Ferrous chelate EDDHA 6%	kg								25
638 Kalk	kg	268,8	193,2			134,4		596,4	1948,8
1076 Ligoplex Ca	litres	5	5					10	10
516 Magnesium sulphate	kg								650
1016 Micromax Premium	kg	19,2	13,8			9,6		42,6	179,1
B+Cu+Fe+Mn+Mo+Zn									
581 Mono-potassium phosphate	kg								575

OVERVIEW RECORDED DATA (Continued)

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

Valid: Period 1-2023 until Period 13-2023
Version: 19-1-2024

Code	Description	Unit	Period 8	Period 9	Period 10	Period 11	Period 12	Period 13	Subtotal	Year total
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FERTILIZERS (Continued)

420	NPK 12+6+20	kg	48	34,5			24		106,5	348
979	Peters Professional Power P 9+40+25+OE	kg	9,6	6,9			4,8		21,3	69,6
537	Potassium nitrate (13+0+45)	kg								1100

ENVIRONMENTAL CLUSTERS

Indoor crops										
4065	POT PLANTS 5	m2	8914	3339	107		339	3168		
5065	POT PLANTS 5 par-mat	m2	3514	9089	11828	10028	9457	4700		
Subtotal			12428	12428	11935	10028	9797	7868		
Certified parental material										
661	MPS-ABC certif.parental mat. indoor	m2	12428	12428	11935	10028	9797	7868		

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

OVERVIEW RECORDED DATA (Continued)

MPS company number: 760004/13

Company name: Rosa-Danica A/S

Valid: Period 1-2023 until Period 13-2023

Version: 19-1-2024

GENERAL INFORMATION FORM

MPS-OEX

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
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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 1-2023 until Period 13-2023

Version: 19-1-2024

Code	Description	Unit	Period 1	Period 2	Period 3	Period 4	Period 5	Period 6	Period 7	Subtotal
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FORM RECEIVED

yes yes yes yes yes yes yes yes

CROP PROTECTION AGENTS

3352 Caryx	litres						0,56	0,93	0,67	2,16
3028 Cerone	litres		0,11	0,04	0,06	0,03	0,05			0,29
3787 Configure	litres									
3205 Conserve	litres									
3279 Floramite	litres									
3865 Mainspring	kg									
3345 Medax Top	litres		0,15	0,33	0,59	0,76	0,69	0,34		2,86
3277 Mospilan SG	kg									
3271 Pirouette	litres		0,53		5,78					6,31
3343 Prestop WP	kg		0,83	1,35	0,75	1,35	1,13	1,05		6,46
3320 Redusol	litres						340			340
3836 Subvivo	kg									
3293 Teppeki	kg					0,04	0,05			0,09
3830 Trianum-P	kg		0,83	1,35	0,75	1,35	1,13	0,75		6,16
3251 Vertimec	litres									

ENERGY

4 Electricity from the grid (Total)	kWh		82363	125267	214588	183209	97332	41310	744069
6 Green electricity from the grid	kWh		51889	90192	98710	113590	61319	28091	443791
7 Residual heat usage	GJ		1138	1204	1556	825	532	253	5508

LIGHTING

550001 HP-Hg 400W Conv.	Hour	1	1	1	1	1	1	1	
	Number								
	kWatt	63347	63347	108079	190967	157721	73165	20010	

FERTILIZERS

550 Calcium magnesium carbonate	kg			77,6	76	76	78,4	78,4	386,4
545 Calcium nitrate (nitrate o	kg			38,8	38	1238	39,2	1200	2554
561 Ferrous chelate EDDHA 6%	kg							25	25
638 Kalk	kg			271,6	266	266	274,4	274,4	1352,4
1076 Ligoplex Ca	litres								
516 Magnesium sulphate	kg					325		325	650
1016 Micromax Premium	kg			19,4	19	19	19,6	59,5	136,5
B+Cu+Fe+Mn+Mo+Zn									
581 Mono-potassium phosphate	kg					275		300	575

OVERVIEW RECORDED DATA (Continued)

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

Valid: Period 1-2023 until Period 13-2023
Version: 19-1-2024

Code	Description	Unit	Period 1	Period 2	Period 3	Period 4	Period 5	Period 6	Period 7	Subtotal
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FERTILIZERS (Continued)

420	NPK 12+6+20	kg			48,5	47,5	47,5	49	49	241,5
979	Peters Professional Power P 9+40+25+OE	kg			9,7	9,5	9,5	9,8	9,8	48,3
537	Potassium nitrate (13+0+45)	kg					550		550	1100

ENVIRONMENTAL CLUSTERS

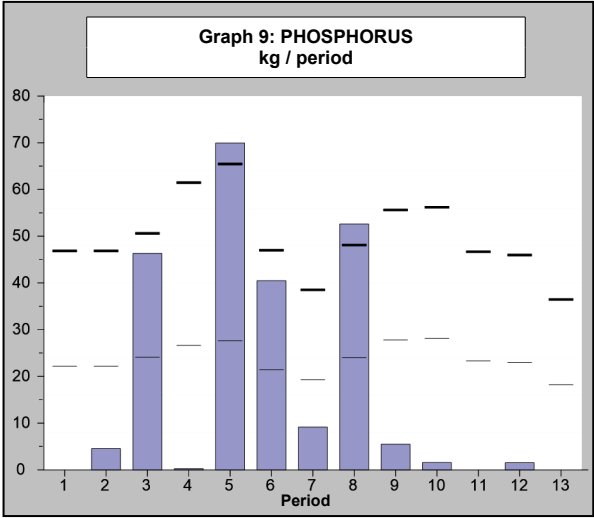
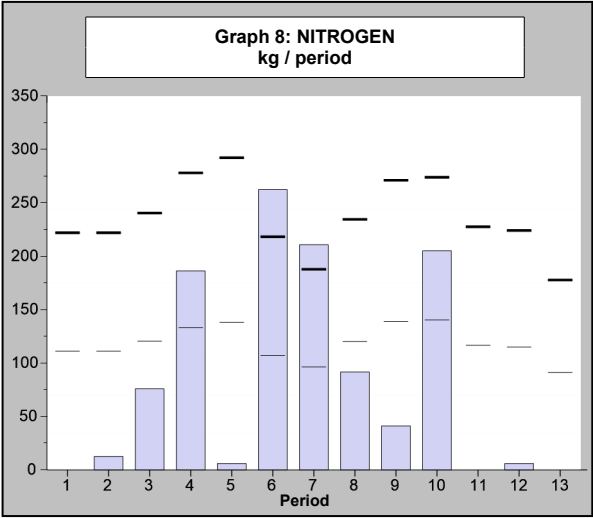
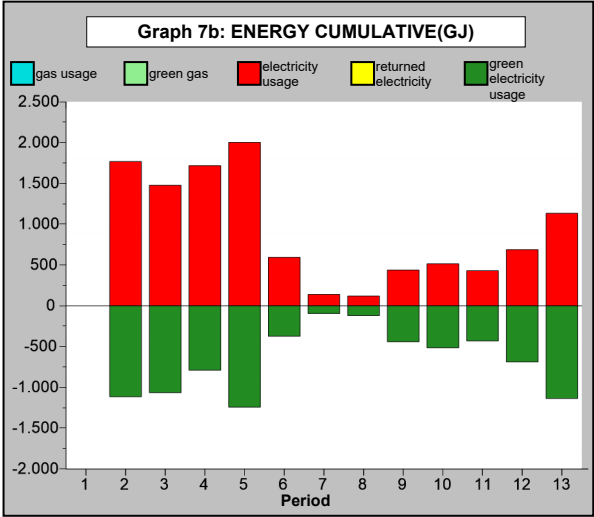
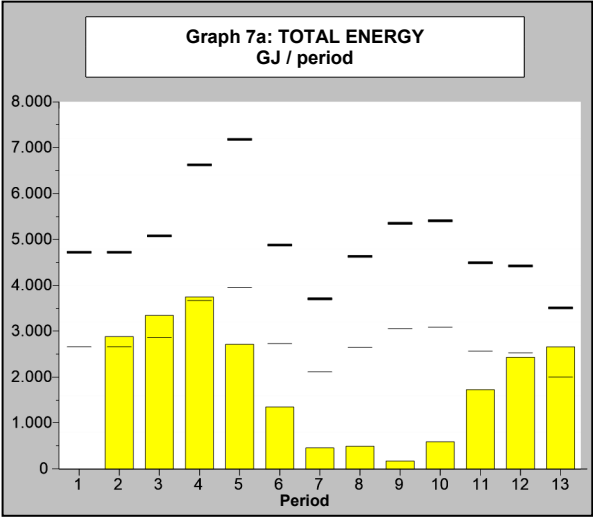
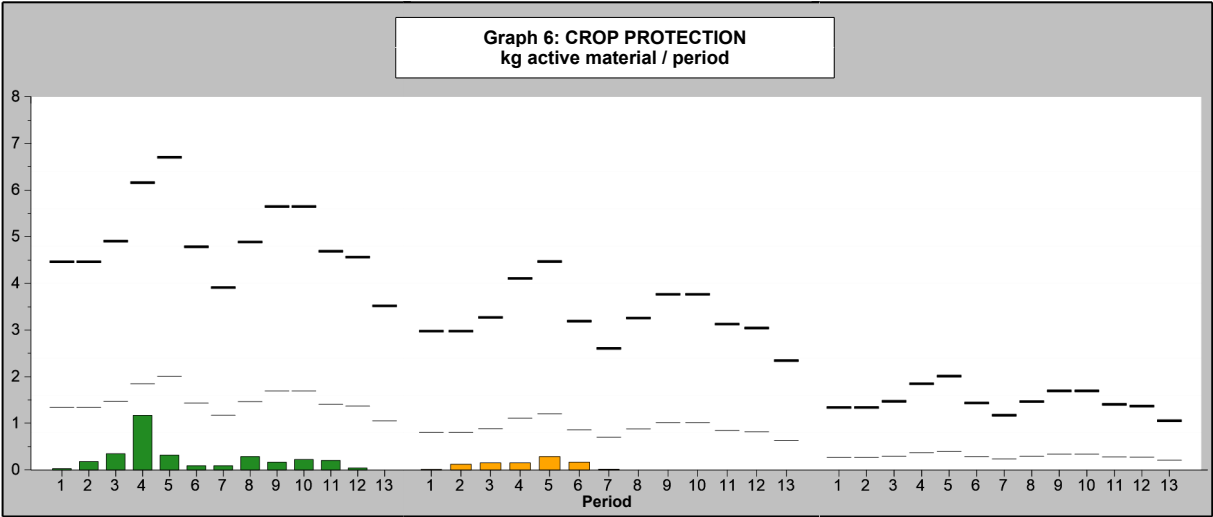
Indoor crops										
4065	POT PLANTS 5	m2	5268	5268	10245	12107	12428	12428	12428	
5065	POT PLANTS 5 par-mat	m2								
Subtotal			5268	5268	10245	12107	12428	12428	12428	
Certified parental material										
661	MPS-ABC certif.parental mat. indoor	m2	5268	5268	10245	12107	12428	12428	12428	

QUALIFICATION AND PERIOD GRAPHS

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

Valid: Period 1-2023 until Period 13-2023
Version: 19-1-2024

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MPS-Overview Composition of Qualification

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

Valid: Period 1-2023 until Period 13-2023
 Version: 19-1-2024

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				19,3-64,4 kg	3,2 kg
	Amber				11,6-42,9 kg	0,9 kg
	Red				3,9-19,3 kg	0 kg
Energy		29791,8-52744,8 GJ		22,8 %	36569,7-64745,2 GJ	22591,2 GJ
Nitrogen (N)		1254,5-2501,1 kg		22,7 %	1539,8-3070 kg	1097,9 kg
Phosphorus (P)		250,9-526,2 kg		22,7 %	308-645,9 kg	231,9 kg

Overview Environmental zones

Period	1	2	3	4	5	6	7	8	9	10	11	12	13
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	0,032		
BB Start	○	bacteria			
	○	ethanol			
	○	garlic extract			
	○	humic acids			
	○	lactic acid			
	○	seaweed extract			
	○	yeast			
BotaniGard WP	○	beauveria bassiana			
Configure	●	6-benzylaminopurine	0,256		
Conserve	●	spinosad	0,522		
Cycocel Extra (19-13)	●	chlormequat chloride	0,883		
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		0,412	
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			3,155	0,912	0

OVERVIEW RECORDED DATA

MPS company number: **760004/14**

Company name: Rosa-Danica A/S

Valid: Period 1-2023 until Period 13-2023

Version: 19-1-2024

Code	Description	Unit	Period 8	Period 9	Period 10	Period 11	Period 12	Period 13	Subtotal	Year total
FORM RECEIVED			yes	yes	yes	yes	yes	yes		
CROP PROTECTION AGENTS										
990395	Amblyseius / Neoseiulus cucumeris	number	2425000	2400000	2450000	3625000	3325000		14225000	73375000
3847	Azatin EC	litres			0,4	0,1			0,5	1,23
3896	BB Start	litres								1000
3794	BotaniGard WP	kg								0,05
3787	Configure	litres	0,64	1,19	3,24	6,03	1,2		12,3	12,81
3205	Conserve	litres	1,48	0,15	1,2	0,69	0,15		3,67	4,35
3022	Cycocel Extra (19-13)	litres								1,92
3113	Dipel	litres	0,4		0,1				0,5	0,5
3235	Duxon	litres		15					15	60
3366	Gnatrol SC	litres	28,98	3,15		0,6			32,73	68,82
990675	Hypoaspis miles / Stratiolaelaps Scimitus	number	1250000	1625000	1250000	3375000	4375000		11875000	35300000
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	0,07	0,02	0,015	0,003	0,005		0,113	0,413
3785	NeemAzal T/S	litres								1,15
3881	Pediment	kg								1
3271	Pirouette	litres								103,11
3343	Prestop WP	kg	3,74	1,01	0,95	0,72	0,49		6,91	17,65
3791	ReduFuse IR	litres								1280
3320	Redusol	litres								1880
3811	Serenade ASO	litres								8,4
3806	SilicaPower	litres			10				10	10
990515	Steinernema feltiae	number	1600000000	1100000000	1050000000	750000000	450000000		4950000000	12900000000
3836	Subvivo	kg		0,5	0,5		0,5		1,5	8,5
3101	Sulphur for burning	kg								50
3293	Teppeki	kg			0,01				0,01	0,66
3830	Trianum-P	kg								0,17
3368	Turex WP	kg	0,4		0,09				0,49	0,49
3816	Wetcit	litres								5

ENERGY

4	Electricity from the grid (Total)	kWh	21782	79858	93616	78141	125129	206393	604919	2005459
6	Green electricity from the grid	kWh	21782	79858	93616	78141	125129	206393	604919	1455967
7	Residual heat usage	GJ	570	201	681	1985	2799	3057	9293	22493

OVERVIEW RECORDED DATA (Continued)

MPS company number: 760004/14

Company name: Rosa-Danica A/S

Valid: Period 1-2023 until Period 13-2023

Version: 19-1-2024

Code	Description	Unit	Period 8	Period 9	Period 10	Period 11	Period 12	Period 13	Subtotal	Year total
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LIGHTING

550001	HP-Hg 400W Conv.	Hour	1	1	1	1	1	1		
		Number								
		kWatt	1	48506	70676	51765	105124	184692		

FERTILIZERS

550	Calcium magnesium carbonate	kg	284,8	92,8					377,6	758,4
545	Calcium nitrate (nitrate o	kg	142,4	46,4	1200				1388,8	5321,28
561	Ferrous chelate EDDHA 6%	kg								34,95
638	Kalk	kg	996,8	324,8					1321,6	3734,21
1076	Ligoplex Ca	litres	5	15					20	20
980	Loker L 2+8+6 (+3.3MgO)	litres								10
516	Magnesium sulphate	kg	200						200	850
1016	Micromax Premium	kg	71,2	23,2					94,4	246,43
	B+Cu+Fe+Mn+Mo+Zn									
581	Mono-potassium phosphate	kg	150						150	750
1084	Multi-Mix 10+15+15 (+4MgO+5CaO)	kg								142,08
	+ME									
420	NPK 12+6+20	kg	178	58					236	474
979	Peters Professional Power P	kg	35,6	11,6					47,2	94,8
	9+40+25+OE									
454	Pioner Mikrooplosning med Jern	litres					1000		1000	1000
	(1.45%)									
537	Potassium nitrate (13+0+45)	kg	300	200	100				600	1300
997	SalicylPure	litres								24
919	TBF 17+10+14+4 (Tref Base Fertilizer)	kg	35,28		35,88		35,04		106,2	141,54
631	Wuxal Ca Suspension	litres								10

ENVIRONMENTAL CLUSTERS

Indoor crops										
4072	POT PLANTS 12	m2								
5065	POT PLANTS 5 par-mat	m2	26068	30127	30127	25011	24342	18766		
	Subtotal		26068	30127	30127	25011	24342	18766		
Certified parental material										
661	MPS-ABC certif.parental mat. indoor	m2	26068	30127	30127	25011	24342	18766		

OVERVIEW RECORDED DATA (Continued)

MPS company number: 760004/14

Company name: Rosa-Danica A/S

Valid: Period 1-2023 until Period 13-2023

Version: 19-1-2024

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 1-2023 until Period 13-2023

Version: 19-1-2024

Code	Description	Unit	Period 1	Period 2	Period 3	Period 4	Period 5	Period 6	Period 7	Subtotal
FORM RECEIVED			yes	yes	yes	yes	yes	yes	yes	
CROP PROTECTION AGENTS										
990395	Amblyseius / Neoseiulus cucumeris	number		3400000	2300000	4875000	25625000	21500000	1450000	59150000
3847	Azatin EC	litres		0,14			0,29	0,3		0,73
3896	BB Start	litres							1000	1000
3794	BotaniGard WP	kg				0,04	0,01			0,05
3787	Configure	litres							0,51	0,51
3205	Conserve	litres							0,68	0,68
3022	Cycocel Extra (19-13)	litres	0,03	0,28	0,64	0,45	0,38	0,14		1,92
3113	Dipel	litres								
3235	Duxon	litres						15	30	45
3366	Gnatrol SC	litres				5	2,1	1,65	27,34	36,09
990675	Hypoaspis miles / Stratiolaelaps Scimitus	number		5250000		5300000	5125000	3250000	4500000	23425000
3865	Mainspring	kg								
3153	Menno Florades	litres				10				10
990474	Metarhizium anisopliae	number								
3122	Mycostop	kg			0,05		0,04	0,06	0,15	0,3
3785	NeemAzal T/S	litres		0,34	0,43	0,38				1,15
3881	Pediment	kg		0,12	0,21	0,2	0,24	0,2	0,03	1
3271	Pirouette	litres	3,06	15,89	12,59	12,89	41,86	16,82		103,11
3343	Prestop WP	kg		0,44	1,51	1,25	1,8	1,86	3,88	10,74
3791	ReduFuse IR	litres							1280	1280
3320	Redusol	litres						960	920	1880
3811	Serenade ASO	litres				8,4				8,4
3806	SilicaPower	litres								
990515	Steinernema feltiae	number		9500000000	9500000000	18500000000	15000000000	6000000000	21000000000	79500000000
3836	Subvivo	kg		0,5	1,5	3,5			1,5	7
3101	Sulphur for burning	kg			25	25				50
3293	Teppeki	kg	0,03	0,09	0,1	0,12	0,27	0,04		0,65
3830	Trianum-P	kg		0,17						0,17
3368	Turex WP	kg								
3816	Wetcit	litres				5				5

ENERGY

4	Electricity from the grid (Total)	kWh		321593	268938	312440	364327	108020	25222	1400540
6	Green electricity from the grid	kWh		202604	193635	143722	225883	68053	17151	851048
7	Residual heat usage	GJ		2564	3371	3242	2247	1300	476	13200

OVERVIEW RECORDED DATA (Continued)

MPS company number: **760004/14**

Company name: Rosa-Danica A/S

Valid: Period 1-2023 until Period 13-2023

Version: 19-1-2024

Code	Description	Unit	Period 1	Period 2	Period 3	Period 4	Period 5	Period 6	Period 7	Subtotal
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LIGHTING

550001	HP-Hg 400W Conv.	Hour	1	1	1	1	1	1	1	
	Number									
	kWatt		296574	296574	244575	282380	325262	79165	1932	

FERTILIZERS

550	Calcium magnesium carbonate	kg		76,8	153,6				150,4	380,8
545	Calcium nitrate (nitrate o	kg		38,4	122,88	1200		1296	1275,2	3932,48
561	Ferrous chelate EDDHA 6%	kg			3,23			31,72		34,95
638	Kalk	kg		268,8	887,81			729,6	526,4	2412,61
1076	Ligoplex Ca	litres								
980	Loker L 2+8+6 (+3.3MgO)	litres				5			5	10
516	Magnesium sulphate	kg			200		250	200		650
1016	Micromax Premium	kg		19,2	56,83			38,4	37,6	152,03
	B+Cu+Fe+Mn+Mo+Zn									
581	Mono-potassium phosphate	kg			150		300	150		600
1084	Multi-Mix 10+15+15 (+4MgO+5CaO)	kg			46,08			96		142,08
	+ME									
420	NPK 12+6+20	kg		48	96				94	238
979	Peters Professional Power P	kg		9,6	19,2				18,8	47,6
	9+40+25+OE									
454	Pioner Mikrooplosning med Jern (1.45%)	litres								
537	Potassium nitrate (13+0+45)	kg			300			400		700
997	SalicylPure	litres					12		12	24
919	TBF 17+10+14+4 (Tref Base Fertilizer)	kg					35,34			35,34
631	Wuxal Ca Suspension	litres				10				10

ENVIRONMENTAL CLUSTERS

Indoor crops										
4072	POT PLANTS 12	m2	2483	2483	2483	8725	11041	4463		
5065	POT PLANTS 5 par-mat	m2	19992	19992	22347	19438	18766	18657	20855	
	Subtotal		22475	22475	24830	28163	29807	23120	20855	
Certified parental material										
661	MPS-ABC certif.parental mat. indoor	m2	22475	22475	24830	28163	29807	23120	20855	