



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: **14-8-2023 valid up to and including 5-11-2023**
Total points: **108,4**
Qualification: **A+**

Kind regards,
MPS-ECAS

Signature:

Date of issue:
15-7-2023

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)

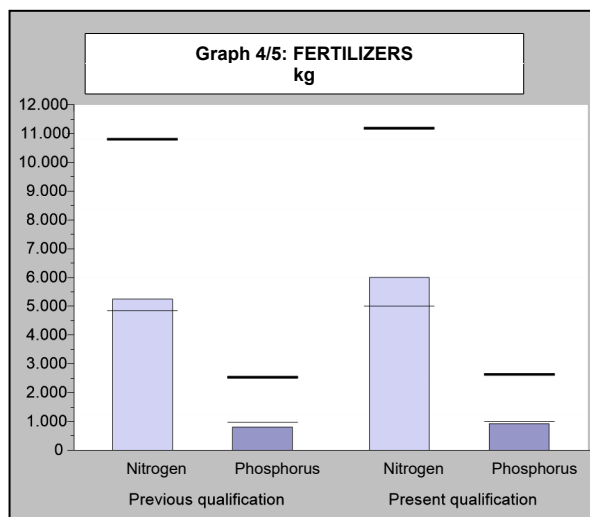
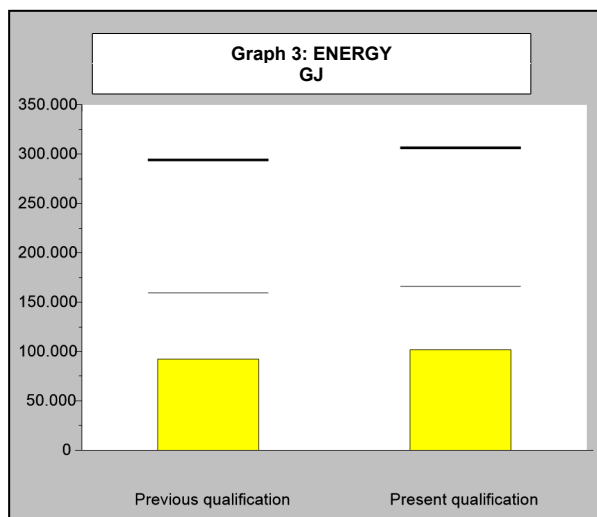
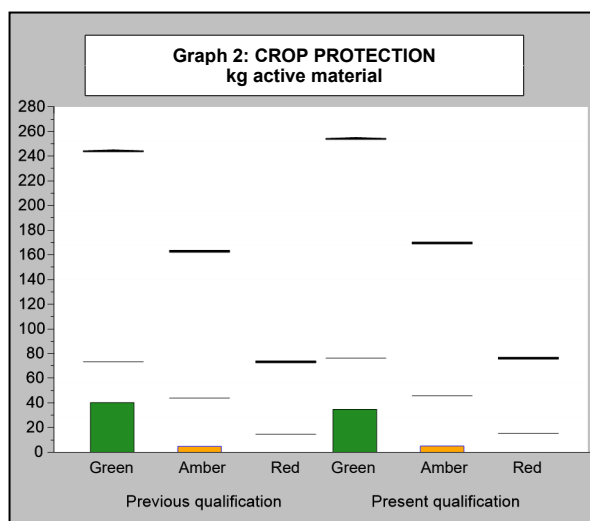
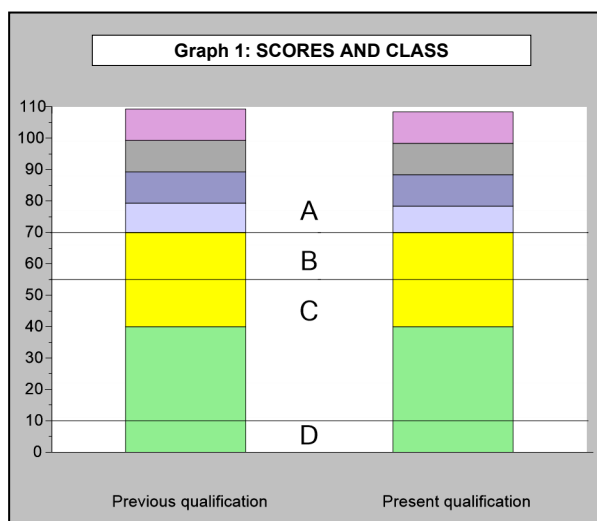
Valid: Period 8-2022 until Period 7-2023
Version: 15-7-2023

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	76,3-254,4 kg	34,9	12	12			
	Amber	45,8-169,6 kg	5	16	16			
	Red	15,3-76,3 kg	0	12	12			
total				40	40	85 %	100 %	yes
Energy total		166124,9-306517,2 GJ	101794,8	30	30	75 %	100 %	yes
Fertilizers	Nitrogen	5008,6-11188,7 kg	6003,4	8,4	10			
	Phosphorus	1001,7-2635,4 kg	924,6	10	10			
total				18,4	20	75 %	91,9 %	yes
Waste		0-130	130	10	10			
Water								
Certified parental material				10	10			
Total score (points)				108,4	110	90	108,4	yes
COMPANY QUALIFICATION				A+				

COMPANY USAGE PER 13 PERIODS

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

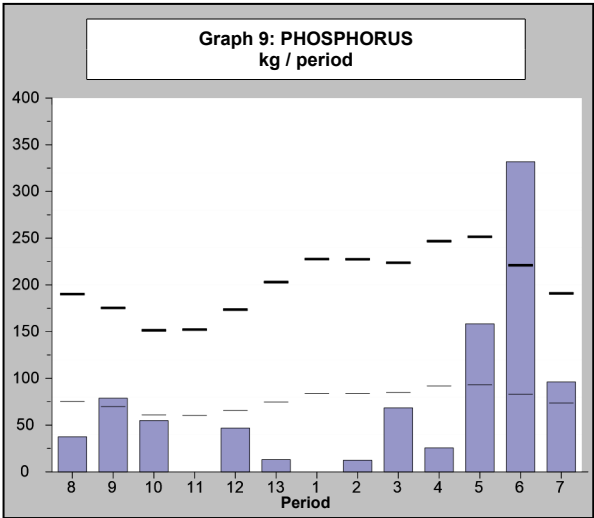
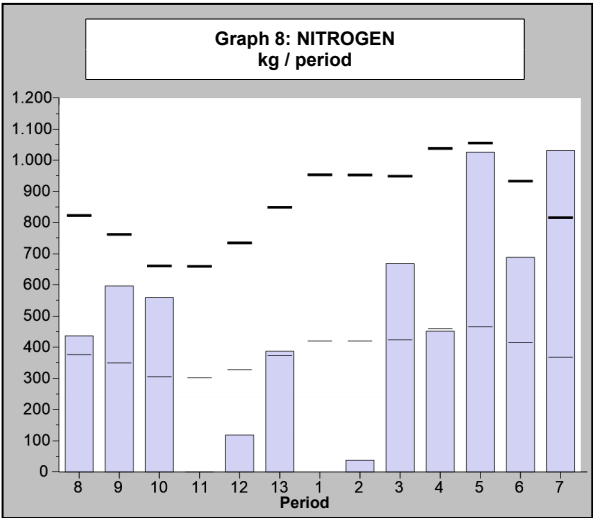
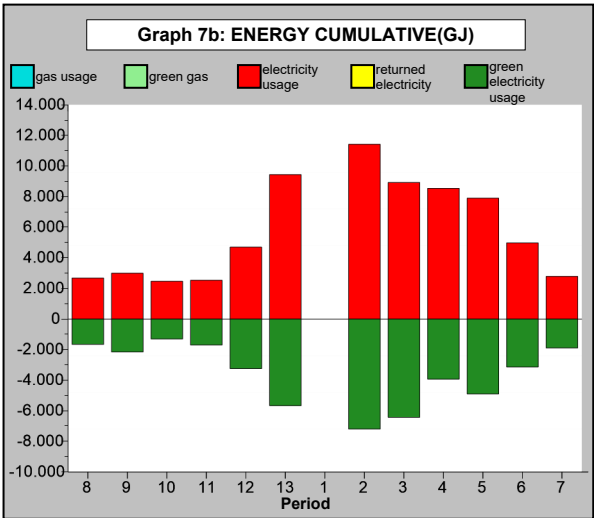
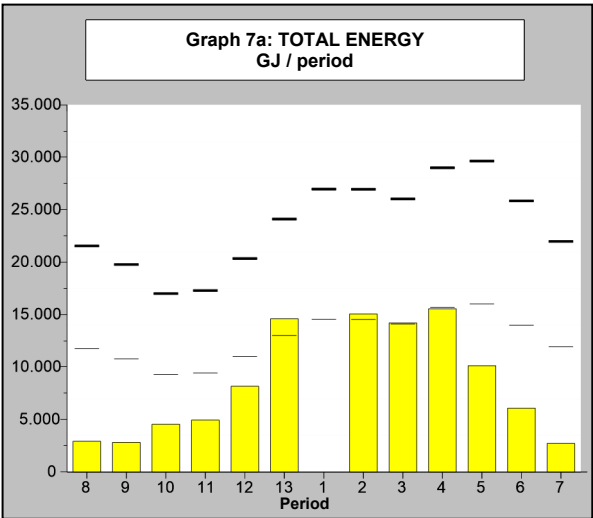
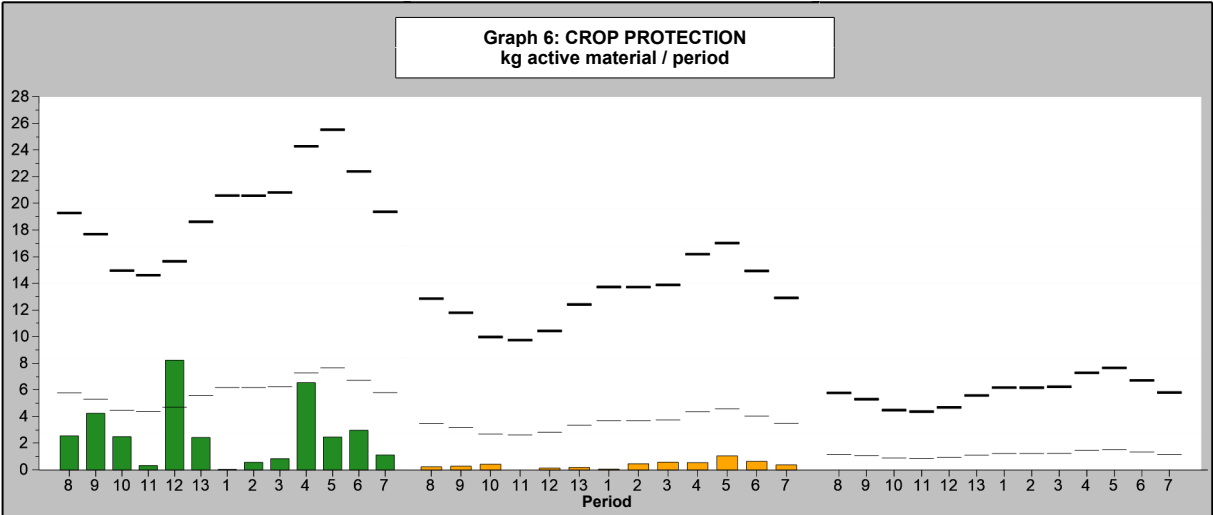


QUALIFICATION AND PERIOD GRAPHS

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

Valid: Period 8-2022 until Period 7-2023
Version: 15-7-2023

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



MPS-Overview Composition of Qualification

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

Valid: Period 8-2022 until Period 7-2023
 Version: 15-7-2023

Composition of points MPS environmentally certified parental material

Certified parental material	(Average) area	Your Points	Max points
Total cultivated area 1)	79896,4 m2		
Area certified parental material MPS-ABC	79896,4 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	8,000		
Azatin EC	●	azadirachtin	0,136		
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	0,611		
	●	metaconazole		0,087	
Cerone	●	ethephon	0,206		
Configure	●	6-benzylaminopurine	0,384		
Conserve	●	spinosad	1,712		
Cycocel Extra (19-13)	●	chlormequat chloride	5,529		
Dipel	○	bacillus thuringiensis			
Duxon	○	potassium oleate			
Floramite	●	bifenazate	1,157		
Flydende brun sæbe	○	washing soap			
Gnatrol SC	○	bacillus thuringiensis			
Kibrill Bladglans	○	leaf shine			
Kraftreiniger (eMC)	○	micro-organisms			
LalStim Osmo	○	glycinebetaine			
Mainspring	●	cyantraniliprole	0,700		
Medax Top	●	mepiquat chloride	1,221		

MPS-Overview Composition of Qualification

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

Valid: Period 8-2022 until Period 7-2023
 Version: 15-7-2023

Company usage of MPS-MIND

Pesticide	Indicator color	active ingredient	Annual company use of active substance		
			Green	Amber	Red
	●	prohexadione-calcium	0,204		
Menno Florades	●	benzoic acid	7,200		
MK 5 (Multikraft)	○	bacteria			
Mospilan SG	●	acetamiprid	0,644		
Mycostop	○	streptomyces griseoviridis			
NeemAzal T/S	●	azadirachtin	0,407		
Nissorun 250 SC (liquid)	●	hexythiazox		0,040	
Pediment	●	pirimicarb		0,500	
Per aqua	○	hydrogen peroxide			
	○	peroxyacetic acid			
Pirouette	●	paclobutrazol		4,399	
Polygrøn X	○	wetting/sticker agents other			
Prestop WP	○	gliocladium catenulatum			
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	2,168		
	●	fludioxonil	1,445		
Teppeki	●	flonicamid	3,170		
Terrafert Blatt	○	micro-organisms			
Terrafert Boden	○	micro-organisms			
Trium-P	○	trichoderma harzianum			
Turex WP	○	bacillus thuringiensis			
Annual company use of active substance			34,894	5,026	0

OVERVIEW RECORDED DATA

MPS company number: **760004/01**

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

Valid: Period 8-2022 until Period 7-2023

Version: 15-7-2023

Code	Description	Unit	Period 1	Period 2	Period 3	Period 4	Period 5	Period 6	Period 7	Subtotal	Year total
------	-------------	------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	----------	------------

CROP PROTECTION AGENTS

990700	Amblys./Neo.swirskii (=wrong code /use code 990705	number									1050000
990707	Amblyseius / Neoseiulus andersoni	number		50000	50000	150000	75000	100000	75000	500000	1525000
990395	Amblyseius / Neoseiulus cucumeris	number		30400000	18500000	33675000	49625000	48800000	19750000	200750000	306400000
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		80	160
3847	Azatin EC	litres		0,14			0,29	0,3		0,73	5,22
3918	Bactiva	kg						8		8	13
3818	BB Blatt	litres					1000			1000	3000
3817	BB Boden (EM Aktiv)	litres									2000
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				0,04	0,01			0,05	0,05
3838	Brennnessel Extrakt Konzentrat	litres				200	200			400	800
3352	Caryx	litres					0,56	0,93	1,42	2,91	2,91
3028	Cerone	litres		0,11	0,04	0,06	0,03	0,05		0,29	0,43
3787	Configure	litres							0,51	0,51	19,21
3205	Conserve	litres					1,6		1,88	3,48	14,27
3022	Cycocel Extra (19-13)	litres	0,03	0,28	0,64	0,45	0,38	0,14		1,92	12,02
3113	Dipel	litres									1,2
3235	Duxon	litres						15	30	45	45
3279	Floramite	litres			0,38	0,8	0,56		0,16	1,9	4,82
3780	Flydende brun saebe	litres									100
3366	Gnatrol SC	litres				5	2,1	1,65	27,34	36,09	114,73
990675	Hypoaspis miles / Stratiolaelaps Scimitus	number		10250000	4000000	12800000	11125000	9250000	8000000	55425000	82875000
3313	Kibrill Bladglans	litres		20	5	20	20	20	20	105	265
3897	Kraftreiniger (eMC)	litres									15
3885	LalStim Osmo	kg									14
3865	Mainspring	kg									1,75
3345	Medax Top	litres		0,15	0,33	0,59	0,76	0,69	0,34	2,86	4,07
3153	Menno Florades	litres				40	10			50	80
3869	MK 5 (Multikraft)	litres				800	600	400	400	2200	3275
3277	Mospilan SG	kg						1,42	0,92	2,34	3,22

OVERVIEW RECORDED DATA (Continued)

MPS company number: 760004/01

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

Valid: Period 8-2022 until Period 7-2023

Version: 15-7-2023

Code	Description	Unit	Period 1	Period 2	Period 3	Period 4	Period 5	Period 6	Period 7	Subtotal	Year total
------	-------------	------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	----------	------------

CROP PROTECTION AGENTS (Continued)

3122	Mycostop	kg			0,05		0,04	0,06	0,15	0,3	0,45
3785	NeemAzal T/S	litres	1,5	4,39	3,13	4,43	4,2	3	3,75	24,4	40,71
3821	Nissorun 250 SC (liquid)	litres									0,16
3881	Pediment	kg		0,12	0,21	0,2	0,24	0,2	0,03	1	1
3307	Per aqua	litres									25
990391	Phytoseiulus persimilis	number							12000	12000	164000
3271	Pirouette	litres	15,76	101,2	120,57	112,8	230,31	130,52	79,45	790,61	1099,7
3204	Polygrøn X	litres						2,5		2,5	2,5
3343	Prestop WP	kg		1,27	2,86	2	3,15	2,99	4,93	17,2	25,65
3791	ReduFuse IR	litres							1280	1280	1280
3320	Redusol	litres				740	380	1300	920	3340	3340
3837	Schachtelhalm Extrakt Konzentrat	litres				200	200			400	800
3811	Serenade ASO	litres	4,8	25,6	24,8	24,4	22,4	16	16	134	286
3806	SilicaPower	litres		10	20	10	30	10	10	90	122
3804	Sodium Bicarbonate (Food Grade) NovaCarb	kg		25						25	25
990515	Steinernema feltiae	number		9500000000	9500000000	18500000000	15000000000	6000000000	21000000000	79500000000	124200000000
3836	Subvivo	kg		8	6	9,5	6	3,5	7	40	58,5
3101	Sulpher for burning	kg		25	25	25	25		25	125	150
3272	Switch	kg									5,78
3293	Teppeki	kg	0,03	0,57	0,6	0,54	1,26	0,26	0,42	3,68	6,34
3819	Terraferf Blatt	litres									400
3820	Terraferf Boden	litres									400
3830	Trianum-P	kg		1	1,35	0,75	1,35	1,13	0,75	6,33	11,25
3368	Turex WP	kg									1,27
3816	Wetcit	litres		5	10	10	5	5	5	40	65

ENERGY

4	Electricity from the grid (Total)	kWh		2077113	1623832	1553251	1436363	905234	506824	8102617	12616402
6	Green electricity from the grid	kWh		1308582	1169158	714495	890546	570298	344641	4997720	7858926
7	Residual heat usage	GJ		12457	13463	12587	8189	4874	2100	53670	86929

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 8-2022 until Period 7-2023

Version: 15-7-2023

Code	Description	Unit	Period 1	Period 2	Period 3	Period 4	Period 5	Period 6	Period 7	Subtotal	Year total
------	-------------	------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	----------	------------

FERTILIZERS (Continued)

519	Calcium chloride 80%/85%	kg									225
550	Calcium magnesium carbonate	kg		163,2	481,6	333,6	332	253,6	399,2	1963,2	2480
545	Calcium nitrate (nitrate o	kg		123,84	2730,4	2653,84	3859,44	3865,04	5002,64	18235,2	25775,52
561	Ferrous chelate EDDHA 6%	kg		2,96	6,28	31,09	31,54	34,68	52,96	159,51	290,24
1087	GroGreen Feed and Shine 3+0+0	litres				60				60	210
638	Kalk	kg		892,22	2366,56	1829,1	1872,14	1938,22	1718,22	10616,46	15856,15
967	Lebosol-Calcium 16.7%	litres									20
980	Loker L 2+8+6 (+3.3MgO)	litres				5			5	10	25
572	Magnesium nitrate	kg									100
516	Magnesium sulphate	kg			200		1775	200	1525	3700	6000
666	Micromax (7.5%CaO+12%Fe+37.5% SO3)	kg									183,15
1016	Micromax Premium B+Cu+Fe+Mn+Mo+Zn	kg		57,7	156,24	118,22	120,38	118,7	156,6	727,84	889,81
622	Mono-calcium phosphate	kg									575
581	Mono-potassium phosphate	kg			150		575	1350	300	2375	2475
1084	Multi-Mix 10+15+15 (+4MgO+5CaO) +ME	kg		42,24	89,6	87,04	93,44	138,24	42,24	492,8	574,72
410	Nitric Acid 62%	litres						20	40	60	505
420	NPK 12+6+20	kg		102	301	208,5	207,5	158,5	249,5	1227	1550
1086	Pentacil 0.1+0.2+0.7	kg						8		8	13
979	Peters Professional Power P 9+40+25+OE	kg		20,4	60,2	41,7	41,5	31,7	49,9	245,4	310
644	PG-Mix 15+10+20	kg									915,75
454	Pioner Mikrooplosning med Jern (1.45%)	litres			1000		1000		1000	3000	5000
396	Potassium bi-carbonate	litres			25					25	50
537	Potassium nitrate (13+0+45)	kg			1500		2950	400	1550	6400	11500
997	SalicylPure	litres		12	24	12	36	24	36	144	222
919	TBF 17+10+14+4 (Tref Base Fertilizer)	kg					35,34			35,34	35,34
631	Wuxal Ca Suspension	litres		10	10	30	10	10	10	80	140

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		

OVERVIEW RECORDED DATA (Continued)

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

Valid: Period 8-2022 until Period 7-2023
Version: 15-7-2023

Code	Description	Unit	Period 1	Period 2	Period 3	Period 4	Period 5	Period 6	Period 7	Subtotal	Year total
Indoor crops											
	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		

OVERVIEW RECORDED DATA

MPS company number: **760004/01**

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

Valid: Period 8-2022 until Period 7-2023

Version: 15-7-2023

Code	Description	Unit	Period 8	Period 9	Period 10	Period 11	Period 12	Period 13	Subtotal
CROP PROTECTION AGENTS									
990700	Amblys./Neo.swirskii (=wrong code /use code 990705	number	300000	100000	350000	200000	100000		1050000
990707	Amblyseius / Neoseiulus andersoni	number	325000	150000	425000		100000	25000	1025000
990395	Amblyseius / Neoseiulus cucumeris	number	22325000	27325000	15375000	16150000	22725000	1750000	105650000
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		0,23	4,11		0,15		4,49
3918	Bactiva	kg						5	5
3818	BB Blatt	litres	2000						2000
3817	BB Boden (EM Aktiv)	litres		2000					2000
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							
3838	Brennessel Extrakt Konzentrat	litres	400						400
3352	Caryx	litres							
3028	Cerone	litres	0,03	0,03			0,05	0,03	0,14
3787	Configure	litres	0,36	2,04	11,92	1,98	2,4		18,7
3205	Conserve	litres	4,85	4,48	0,83		0,63		10,79
3022	Cycocel Extra (19-13)	litres					10	0,1	10,1
3113	Dipel	litres			1,2				1,2
3235	Duxon	litres							
3279	Floramite	litres	0,48	0,48	0,76	1,2			2,92
3780	Flydende brun saebe	litres	20	40	40				100
3366	Gnatrol SC	litres	44,48	9,66	5,72		2,78	16	78,64
990675	Hypoaspis miles / Stratiolaelaps Scimitus	number	4625000	5275000	8175000		7125000	2250000	27450000
3313	Kibrill Bladglans	litres	20	60	80				160
3897	Kraftreiniger (eMC)	litres	10		5				15
3885	LalStim Osmo	kg	4	4	6				14
3865	Mainspring	kg	0,9	0,85					1,75
3345	Medax Top	litres	0,5	0,58			0,05	0,08	1,21
3153	Menno Florades	litres					30		30
3869	MK 5 (Multikraft)	litres	200		275			600	1075
3277	Mospilan SG	kg			0,88				0,88

OVERVIEW RECORDED DATA (Continued)

MPS company number: **760004/01**

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

Valid: Period 8-2022 until Period 7-2023

Version: 15-7-2023

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

CROP PROTECTION AGENTS (Continued)

3122	Mycostop	kg	0,1	0,01	0,01			0,03	0,15
3785	NeemAzal T/S	litres	1,35	0,06	7,43		4,17	3,3	16,31
3821	Nissorun 250 SC (liquid)	litres			0,16				0,16
3881	Pediment	kg							
3307	Per aqua	litres			25				25
990391	Phytoseiulus persimilis	number	20000	4000	116000		8000	4000	152000
3271	Pirouette	litres	58,09	70,05	98,45		34,7	47,8	309,09
3204	Polygrøn X	litres							
3343	Prestop WP	kg	3,6	0,78	0,65		0,94	2,48	8,45
3791	ReduFuse IR	litres							
3320	Redusol	litres							
3837	Schachtelhalm Extrakt Konzentrat	litres	400						400
3811	Serenade ASO	litres	19,2	23,2	28,8		53,6	27,2	152
3806	SilicaPower	litres	2	10	10		10		32
3804	Sodium Bicarbonate (Food Grade) NovaCarb	kg							
990515	Steinernema feltiae	number	1820000000	300000000	700000000		350000000	1300000000	4470000000
3836	Subvivo	kg		3	5		4	6,5	18,5
3101	Sulpher for burning	kg					25		25
3272	Switch	kg	1,2	0,93	2,25		1,05	0,35	5,78
3293	Teppeki	kg	1,09	0,82	0,42		0,13	0,2	2,66
3819	Terraferf Blatt	litres	400						400
3820	Terraferf Boden	litres			400				400
3830	Trianum-P	kg	1,53	0,77	0,65		0,94	1,03	4,92
3368	Turex WP	kg		0,08	1,19				1,27
3816	Wetcit	litres		5	20				25

ENERGY

4	Electricity from the grid (Total)	kWh	487958	544670	448543	461505	854443	1716666	4513785
6	Green electricity from the grid	kWh	302534	392162	237729	309208	589573	1030000	2861206
7	Residual heat usage	GJ	2186	2278	3893	4731	7714	12457	33259

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 8-2022 until Period 7-2023

Version: 15-7-2023

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

FERTILIZERS (Continued)

519	Calcium chloride 80%/85%	kg	100	75			50		225
550	Calcium magnesium carbonate	kg					341,6	175,2	516,8
545	Calcium nitrate (nitrate o	kg	1200	2400	2400		211,12	1329,2	7540,32
561	Ferrous chelate EDDHA 6%	kg		50			52,82	27,91	130,73
1087	GroGreen Feed and Shine 3+0+0	litres						150	150
638	Kalk	kg	1046,5	1150	611,8		1502,03	929,36	5239,69
967	Lebosol-Calcium 16.7%	litres		20					20
980	Loker L 2+8+6 (+3.3MgO)	litres			15				15
572	Magnesium nitrate	kg		100					100
516	Magnesium sulphate	kg	1450	550	100		200		2300
666	Micromax (7.5%CaO+12%Fe+37.5% SO3)	kg	68,25	75	39,9				183,15
1016	Micromax Premium B+Cu+Fe+Mn+Mo+Zn	kg				19,4	82,13	60,44	161,97
622	Mono-calcium phosphate	kg	100	275	200				575
581	Mono-potassium phosphate	kg					100		100
1084	Multi-Mix 10+15+15 (+4MgO+5CaO) +ME	kg					40,32	41,6	81,92
410	Nitric Acid 62%	litres	100	325			20		445
420	NPK 12+6+20	kg					213,5	109,5	323
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	64,6
644	PG-Mix 15+10+20	kg	341,25	375	199,5				915,75
454	Pioner Mikrooplosning med Jern (1.45%)	litres	1000	1000					2000
396	Potassium bi-carbonate	litres	25						25
537	Potassium nitrate (13+0+45)	kg	1450	950	1200		300	1200	5100
997	SalicylPure	litres	42	12	12			12	78
919	TBF 17+10+14+4 (Tref Base Fertilizer)	kg							
631	Wuxal Ca Suspension	litres	20		20	10		10	60

ENVIRONMENTAL CLUSTERS

Indoor crops									
4065	POT PLANTS 5	m2	12428	11363	6967	2760	1608	3108	
4072	POT PLANTS 12	m2	42995	38163	30370	30360	38738	50708	
5065	POT PLANTS 5 par-mat	m2	27140	26924	27723	29103	22655	18941	

OVERVIEW RECORDED DATA (Continued)

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

Valid: Period 8-2022 until Period 7-2023
Version: 15-7-2023

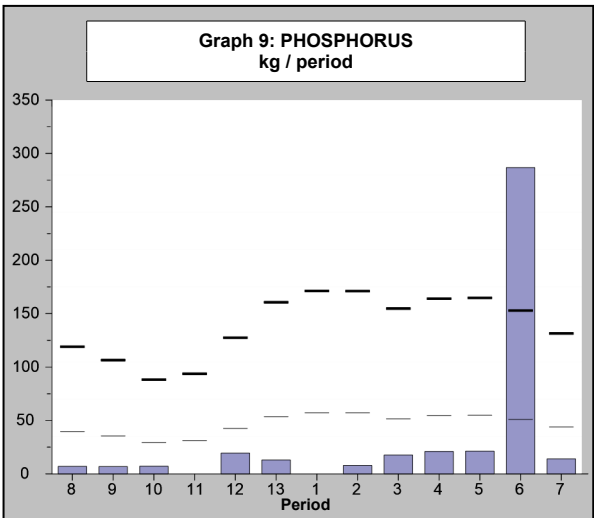
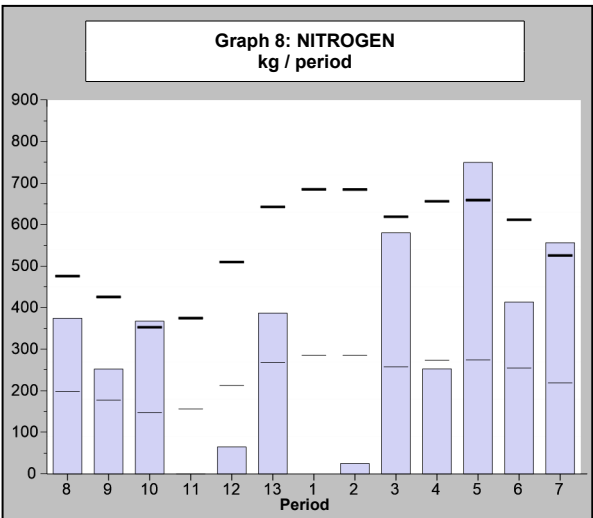
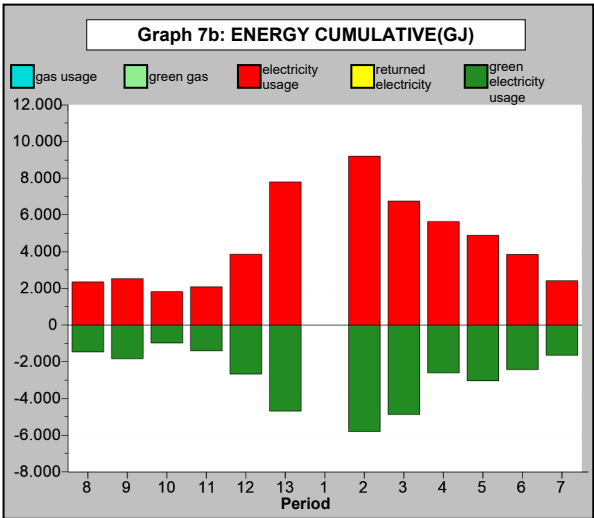
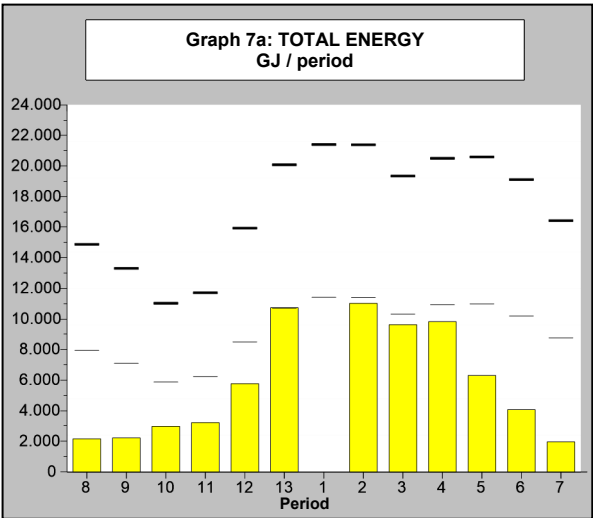
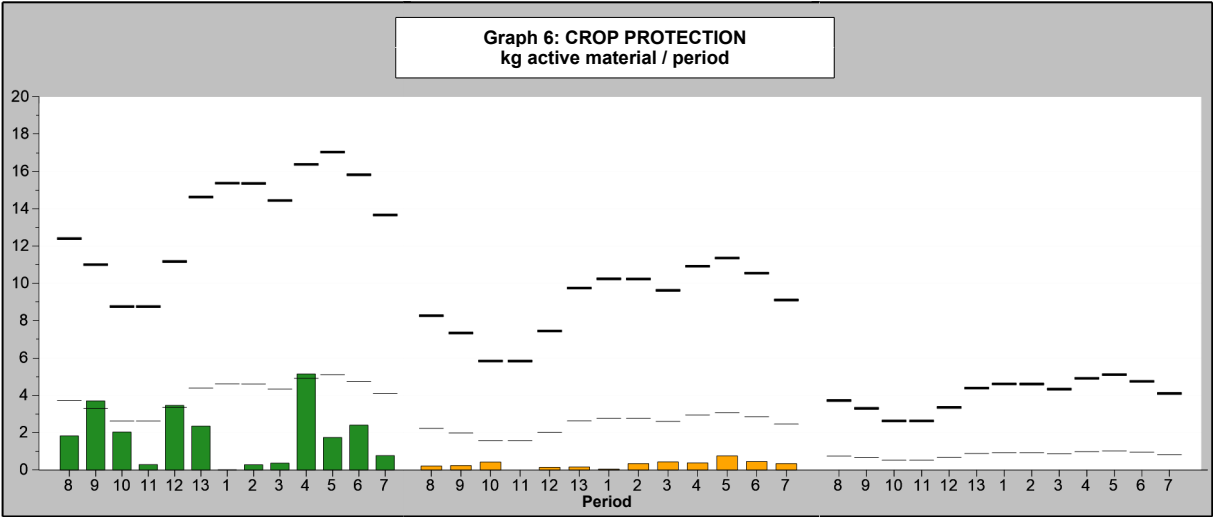
Code	Description	Unit	Period 8	Period 9	Period 10	Period 11	Period 12	Period 13	Subtotal
Indoor crops									
Subtotal			82563	76449	65061	62223	63001	72757	
Certified parental material									
661	MPS-ABC certif.parental mat. indoor	m2	82563	76449	65061	62223	63001	72757	

QUALIFICATION AND PERIOD GRAPHS

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

Valid: Period 8-2022 until Period 7-2023
Version: 15-7-2023

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



MPS-Overview Composition of Qualification

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

Valid: Period 8-2022 until Period 7-2023
Version: 15-7-2023

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				52,4-174,8 kg	24,4 kg
	Amber				31,5-116,5 kg	3,9 kg
	Red				10,5-52,4 kg	0 kg
Energy		93236,3-174818 GJ		29,1 %	120404,1-225757,6 GJ	69938,4 GJ
Nitrogen (N)		2330,9-5594,2 kg		29,1 %	3010,1-7224,2 kg	4024,6 kg
Phosphorus (P)		466,2-1398,5 kg		29,1 %	602-1806,1 kg	422,2 kg

Overview Environmental zones

Period	8	9	10	11	12	13	1	2	3	4	5	6	7
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	8,000		
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	0,158		
	●	metaconazole		0,023	
Conserve	●	spinosad	0,958		
Floramite	●	bifenazate	1,157		
Flydende brun sæbe	○	washing soap			
Kibrill Bladglans	○	leaf shine			
Kraftreiniger (eMC)	○	micro-organisms			
LalStim Osmo	○	glycinebetaine			
Mainspring	●	cyantraniliprole	0,376		
Menno Florades	●	benzoic acid	6,300		
MK 5 (Multikraft)	○	bacteria			

MPS-Overview Composition of Qualification

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

Valid: Period 8-2022 until Period 7-2023
 Version: 15-7-2023

Company usage of MPS-MIND

Pesticide	Indicator color	active ingredient	Annual company unit use of active substance		
			Green	Amber	Red
Mospilan SG	●	acetamiprid	0,644		
NeemAzal T/S	●	azadirachtin	0,375		
Nissorun 250 SC (liquid)	●	hexythiazox		0,040	
Per aqua	○	hydrogen peroxide			
	○	peroxyacetic acid			
Pirouette	●	paclobutrazol		3,857	
Polygrøn X	○	wetting/sticker agents other			
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	2,168		
	●	fludioxonil	1,445		
Teppeki	●	flonicamid	2,800		
Terrafert Blatt	○	micro-organisms			
Terrafert Boden	○	micro-organisms			
Annual company unit use of active substance			24,381	3,919	0

OVERVIEW RECORDED DATA

MPS company number: **760004/11**

Company name: Rosa-Danica A/S

Valid: Period 8-2022 until Period 7-2023

Version: 15-7-2023

Code	Description	Unit	Period 1	Period 2	Period 3	Period 4	Period 5	Period 6	Period 7	Subtotal	Year total
FORM RECEIVED			yes	yes	yes	yes	yes	yes	yes		
CROP PROTECTION AGENTS											
990707	Amblyseius / Neoseiulus andersoni	number		50000	50000	150000	75000	100000	75000	500000	850000
990395	Amblyseius / Neoseiulus cucumeris	number		27000000	16200000	28800000	24000000	27300000	18300000	141600000	239400000
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		80	160
3918	Bactiva	kg						8		8	13
3818	BB Blatt	litres					1000			1000	3000
3817	BB Boden (EM Aktiv)	litres									2000
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	800
3352	Caryx	litres							0,75	0,75	0,75
3205	Conserve	litres					1,6		1,2	2,8	7,98
3279	Floramite	litres			0,38	0,8	0,56		0,16	1,9	4,82
3780	Flydende brun saebe	litres									100
990675	Hypoaspis miles / Stratiolaelaps Scimitus	number		5000000	4000000	7500000	6000000	6000000	3500000	32000000	50500000
3313	Kibrill Bladglans	litres		20	5	20	20	20	20	105	265
3897	Kraftreiniger (eMC)	litres									15
3885	LalStim Osmo	kg									14
3865	Mainspring	kg									0,94
3153	Menno Florades	litres				30	10			40	70
3869	MK 5 (Multikraft)	litres				800	600	400	400	2200	3275
3277	Mospilan SG	kg						1,42	0,92	2,34	3,22
3785	NeemAzal T/S	litres	1,5	4,05	2,7	4,05	4,2	3	3,75	23,25	37,5
3821	Nissorun 250 SC (liquid)	litres									0,16
3307	Per aqua	litres									25
990391	Phytoseiulus persimilis	number							12000	12000	76000
3271	Pirouette	litres	12,7	84,78	107,98	94,13	188,45	113,7	79,45	681,19	964,18
3204	Polygrøn X	litres						2,5		2,5	2,5
3320	Redusol	litres				740	380			1120	1120
3837	Schachtelhalm Extrakt Konzentrat	litres				200	200			400	800
3811	Serenade ASO	litres	4,8	25,6	24,8	16	22,4	16	16	125,6	277,6

OVERVIEW RECORDED DATA (Continued)

MPS company number: 760004/11

Company name: Rosa-Danica A/S

Valid: Period 8-2022 until Period 7-2023

Version: 15-7-2023

Code	Description	Unit	Period 1	Period 2	Period 3	Period 4	Period 5	Period 6	Period 7	Subtotal	Year total
------	-------------	------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	----------	------------

CROP PROTECTION AGENTS (Continued)

3806	SilicaPower	litres		10	20	10	30	10	10	90	120
3804	Sodium Bicarbonate (Food Grade) NovaCarb	kg		25						25	25
3836	Subvivo	kg		7,5	4,5	6	6	3,5	5,5	33	51
3101	Sulpher for burning	kg		25			25		25	75	100
3272	Switch	kg									5,78
3293	Teppeki	kg		0,48	0,5	0,42	0,95	0,17	0,42	2,94	5,6
3819	Terrafert Blatt	litres									400
3820	Terrafert Boden	litres									400
3816	Wetcit	litres		5	10	5	5	5	5	35	60

ENERGY

4	Electricity from the grid (Total)	kWh		1673157	1229627	1026223	888827	699882	440292	5958008	9680314
6	Green electricity from the grid	kWh		1054089	885331	472063	551073	440926	299399	3702881	6066714
7	Residual heat usage	GJ		8755	8888	7789	5117	3042	1371	34962	57544

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	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		86,4	250,4	257,6	256	175,2	170,4	1196	1635,2
545	Calcium nitrate (nitrate o	kg		85,44	2568,72	1415,84	2621,44	2529,84	2527,44	11748,72	16850,24
561	Ferrous chelate EDDHA 6%	kg		2,96	3,05	31,09	31,54	2,96	27,96	99,56	155,29
1087	GroGreen Feed and Shine 3+0+0	litres				60				60	210
638	Kalk	kg		623,42	1207,15	1563,1	1606,14	934,22	917,42	6851,45	10490,14
572	Magnesium nitrate	kg									100
516	Magnesium sulphate	kg					1200		1200	2400	3750
666	Micromax (7.5%CaO+12%Fe+37.5% SO3)	kg									96,45
1016	Micromax Premium B+Cu+Fe+Mn+Mo+Zn	kg		38,5	80,01	99,22	101,38	60,7	59,5	439,31	581,88

OVERVIEW RECORDED DATA (Continued)

MPS company number: **760004/11**

Company name: Rosa-Danica A/S

Valid: Period 8-2022 until Period 7-2023

Version: 15-7-2023

Code	Description	Unit	Period 1	Period 2	Period 3	Period 4	Period 5	Period 6	Period 7	Subtotal	Year total
------	-------------	------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	----------	------------

FERTILIZERS (Continued)

581	Mono-potassium phosphate	kg						1200		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	432,64
410	Nitric Acid 62%	litres						20	40	60	435
420	NPK 12+6+20	kg		54	156,5	161	160	109,5	106,5	747,5	1022
1086	Pentacil 0.1+0.2+0.7	kg						8		8	13
979	Peters Professional Power P 9+40+25+OE	kg		10,8	31,3	32,2	32	21,9	21,3	149,5	204,4
644	PG-Mix 15+10+20	kg									482,25
454	Pioner Mikrooplosning med Jern (1.45%)	litres			1000		1000		1000	3000	5000
396	Potassium bi-carbonate	litres			25					25	50
537	Potassium nitrate (13+0+45)	kg			1200		2400		1000	4600	8200
997	SalicylPure	litres		12	24	12	24	24	24	120	180
631	Wuxal Ca Suspension	litres		10	10	20	10	10	10	70	120

ENVIRONMENTAL CLUSTERS

Indoor crops											
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		

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 8-2022 until Period 7-2023

Version: 15-7-2023

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 8-2022 until Period 7-2023

Version: 15-7-2023

Code	Description	Unit	Period 8	Period 9	Period 10	Period 11	Period 12	Period 13	Subtotal
FORM RECEIVED			yes	yes	yes	yes	yes	yes	
CROP PROTECTION AGENTS									
990707	Amblyseius / Neoseiulus andersoni	number	75000	100000	100000		50000	25000	350000
990395	Amblyseius / Neoseiulus cucumeris	number	21600000	25800000	14400000	15000000	21000000		97800000
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	2000						2000
3817	BB Boden (EM Aktiv)	litres		2000					2000
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	400						400
3352	Caryx	litres							
3205	Conserve	litres	1,4	3,78					5,18
3279	Floramite	litres	0,48	0,48	0,76	1,2			2,92
3780	Flydende brun saebe	litres	20	40	40				100
990675	Hypoaspis miles / Stratiolaelaps Scimitus	number	3500000	4250000	6000000		4625000	125000	18500000
3313	Kibrill Bladglans	litres	20	60	80				160
3897	Kraftreiniger (eMC)	litres	10		5				15
3885	LalStim Osmo	kg	4	4	6				14
3865	Mainspring	kg	0,58	0,36					0,94
3153	Menno Florades	litres					30		30
3869	MK 5 (Multikraft)	litres	200		275			600	1075
3277	Mospilan SG	kg			0,88				0,88
3785	NeemAzal T/S	litres	1,35		5,55		4,05	3,3	14,25
3821	Nissorun 250 SC (liquid)	litres			0,16				0,16
3307	Per aqua	litres			25				25
990391	Phytoseiulus persimilis	number			60000			4000	64000
3271	Pirouette	litres	53,09	59,35	95,85		34,7	40	282,99
3204	Polygrøn X	litres							
3320	Redusol	litres							
3837	Schachtelhalm Extrakt Konzentrat	litres	400						400
3811	Serenade ASO	litres	19,2	23,2	28,8		53,6	27,2	152

OVERVIEW RECORDED DATA (Continued)

MPS company number: 760004/11

Company name: Rosa-Danica A/S

Valid: Period 8-2022 until Period 7-2023

Version: 15-7-2023

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

CROP PROTECTION AGENTS (Continued)

3806	SilicaPower	litres		10	10		10		30
3804	Sodium Bicarbonate (Food Grade) NovaCarb	kg							
3836	Subvivo	kg		3	5		4	6	18
3101	Sulpher for burning	kg					25		25
3272	Switch	kg	1,2	0,93	2,25		1,05	0,35	5,78
3293	Teppeki	kg	1,09	0,82	0,42		0,13	0,2	2,66
3819	Terrafert Blatt	litres	400						400
3820	Terrafert Boden	litres			400				400
3816	Wetcit	litres		5	20				25

ENERGY

4	Electricity from the grid (Total)	kWh	429147	460695	331741	380000	702195	1418528	3722306
6	Green electricity from the grid	kWh	266071	331700	175823	254600	484522	851117	2363833
7	Residual heat usage	GJ	1464	1748	2442	2916	5257	8755	22582

LIGHTING

550001	HP-Hg 400W Conv.	Hour	1	1	1	1	1	1	
		Number							
		kWatt	386441	264478	339178	652235	1370753	1370753	

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	439,2
545	Calcium nitrate (nitrate o	kg	1200	1200	1200		172,32	1329,2	5101,52
561	Ferrous chelate EDDHA 6%	kg		25			2,82	27,91	55,73
1087	GroGreen Feed and Shine 3+0+0	litres						150	150
638	Kalk	kg	494,5	483	501,4		1230,43	929,36	3638,69
572	Magnesium nitrate	kg		100					100
516	Magnesium sulphate	kg	1350						1350
666	Micromax (7.5%CaO+12%Fe+37.5% SO3)	kg	32,25	31,5	32,7				96,45
1016	Micromax Premium B+Cu+Fe+Mn+Mo+Zn	kg					82,13	60,44	142,57

OVERVIEW RECORDED DATA (Continued)

MPS company number: **760004/11**

Company name: Rosa-Danica A/S

Valid: Period 8-2022 until Period 7-2023

Version: 15-7-2023

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

FERTILIZERS (Continued)

581	Mono-potassium phosphate	kg							
1084	Multi-Mix 10+15+15 (+4MgO+5CaO) +ME	kg					40,32	41,6	81,92
410	Nitric Acid 62%	litres	75	300					375
420	NPK 12+6+20	kg					165	109,5	274,5
1086	Pentacil 0.1+0.2+0.7	kg						5	5
979	Peters Professional Power P 9+40+25+OE	kg					33	21,9	54,9
644	PG-Mix 15+10+20	kg	161,25	157,5	163,5				482,25
454	Pioner Mikrooplosning med Jern (1.45%)	litres	1000	1000					2000
396	Potassium bi-carbonate	litres	25						25
537	Potassium nitrate (13+0+45)	kg	1200		1200			1200	3600
997	SalicylPure	litres	24	12	12			12	60
631	Wuxal Ca Suspension	litres	20		20	10			50

ENVIRONMENTAL CLUSTERS

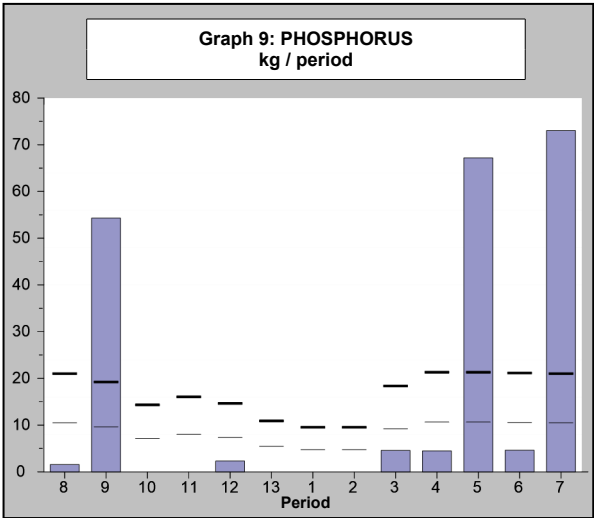
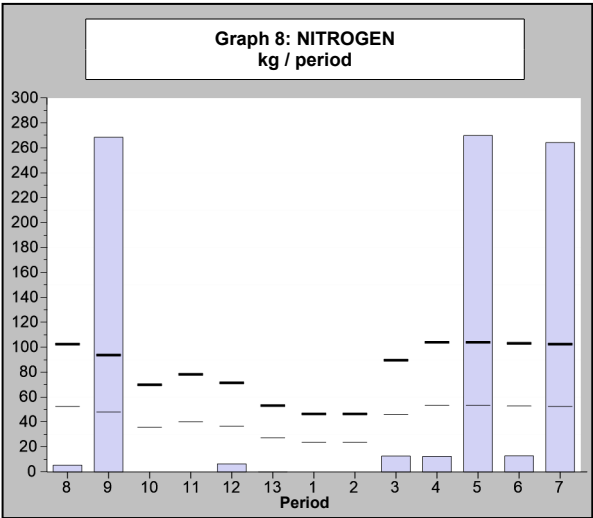
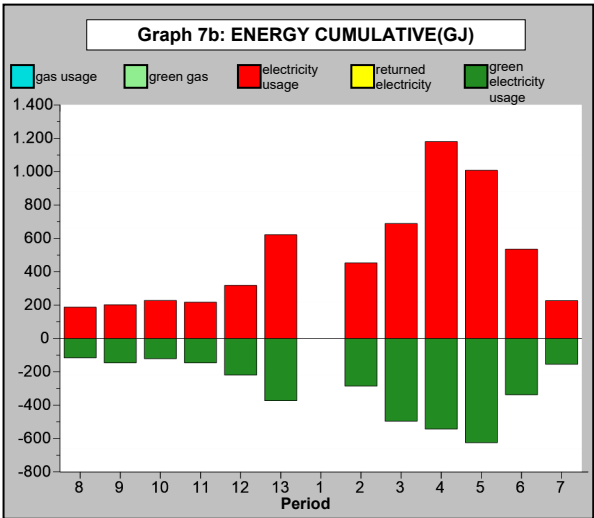
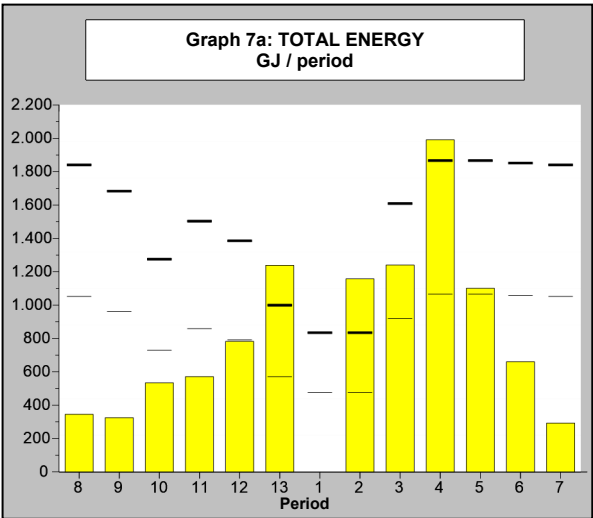
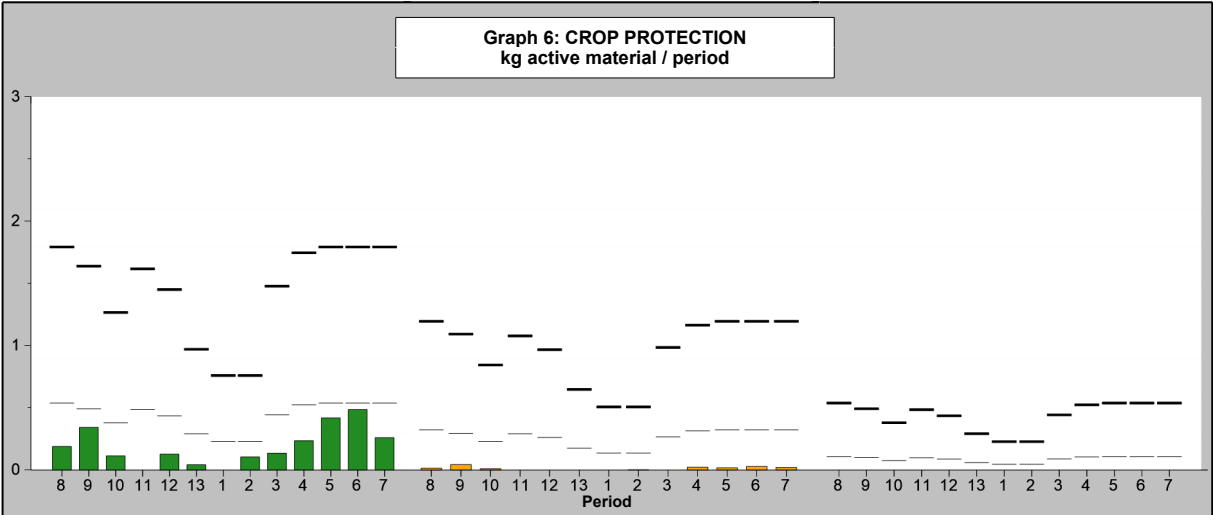
Indoor crops									
4072	POT PLANTS 12	m2	42995	38163	30370	30360	38738	50708	
	Subtotal		42995	38163	30370	30360	38738	50708	
Certified parental material									
661	MPS-ABC certif.parental mat. indoor	m2	42995	38163	30370	30360	38738	50708	

QUALIFICATION AND PERIOD GRAPHS

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

Valid: Period 8-2022 until Period 7-2023
Version: 15-7-2023

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



MPS-Overview Composition of Qualification

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

Valid: Period 8-2022 until Period 7-2023
 Version: 15-7-2023

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				5,7-18,9 kg	2,5 kg
	Amber				3,4-12,6 kg	0,2 kg
	Red				1,1-5,7 kg	0 kg
Energy		9792,5-17136,9 GJ		13,1 %	11078,8-19387,9 GJ	10240,6 GJ
Nitrogen (N)		483-941,9 kg		13,1 %	546,3-1065,3 kg	852,7 kg
Phosphorus (P)		96,6-193,2 kg		13,1 %	109,3-218,5 kg	212,2 kg

Overview Environmental zones

Period	8	9	10	11	12	13	1	2	3	4	5	6	7
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	0,020		
Caryx	●	mepiquat chloride	0,454		
	●	metaconazole		0,065	
Cerone	●	ethephon	0,206		
Configure	●	6-benzylaminopurine	0,093		
Conserve	●	spinosad	0,168		
Dipel	○	bacillus thuringiensis			
Mainspring	●	cyantraniliprole	0,040		
Medax Top	●	mepiquat chloride	1,221		
	●	prohexadione-calcium	0,204		
NeemAzal T/S	●	azadirachtin	0,002		
Pirouette	●	paclobutrazol		0,093	
Prestop WP	○	gliocladium catenulatum			
Redusol	○	shadingmaterial/ coating			
Teppeki	●	flonicamid	0,045		
Triatum-P	○	trichoderma harzianum			
Turex WP	○	bacillus thuringiensis			
Annual company unit use of active substance			2,453	0,158	0

OVERVIEW RECORDED DATA

MPS company number: **760004/13**

Company name: Rosa-Danica A/S

Valid: Period 8-2022 until Period 7-2023

Version: 15-7-2023

Code	Description	Unit	Period 1	Period 2	Period 3	Period 4	Period 5	Period 6	Period 7	Subtotal	Year total
------	-------------	------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	----------	------------

FORM RECEIVED

yes yes yes yes yes yes yes yes

CROP PROTECTION AGENTS

990700 Amblys./Neo.swirskii (=wrong code /use code 990705	number										1050000
990707 Amblyseius / Neoseiulus andersoni	number										675000
990395 Amblyseius / Neoseiulus cucumeris	number										62500
3847 Azatin EC	litres										0,75
3352 Caryx	litres						0,56	0,93	0,67	2,16	2,16
3028 Cerone	litres		0,11	0,04	0,06	0,03	0,05			0,29	0,43
3787 Configure	litres										4,65
3205 Conserve	litres										1,4
3113 Dipel	litres										0,3
990675 Hypoaspis miles / Stratiolaelaps Scimitus	number										1100000
3865 Mainspring	kg										0,1
3345 Medax Top	litres		0,15	0,33	0,59	0,76	0,69	0,34		2,86	4,07
3785 NeemAzal T/S	litres										0,18
990391 Phytoseiulus persimilis	number										88000
3271 Pirouette	litres		0,53		5,78					6,31	23,15
3343 Prestop WP	kg		0,83	1,35	0,75	1,35	1,13	1,05		6,46	8,57
3320 Redusol	litres						340			340	340
3293 Teppeki	kg						0,04	0,05		0,09	0,09
3830 Trianum-P	kg		0,83	1,35	0,75	1,35	1,13	0,75		6,16	8,27
3368 Turex WP	kg										0,25

ENERGY

4 Electricity from the grid (Total)	kWh		82363	125267	214588	183209	97332	41310	744069	1066614
6 Green electricity from the grid	kWh		51889	90192	98710	113590	61319	28091	443791	647484
7 Residual heat usage	GJ		1138	1204	1556	825	532	253	5508	9121

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	425,6
545 Calcium nitrate (nitrate o	kg			38,8	38	1238	39,2	1200	2554	3773,6

OVERVIEW RECORDED DATA (Continued)

MPS company number: **760004/13**

Company name: Rosa-Danica A/S

Valid: Period 8-2022 until Period 7-2023

Version: 15-7-2023

Code	Description	Unit	Period 1	Period 2	Period 3	Period 4	Period 5	Period 6	Period 7	Subtotal	Year total
------	-------------	------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	----------	------------

FERTILIZERS (Continued)

561	Ferrous chelate EDDHA 6%	kg							25	25	50
638	Kalk	kg		271,6		266	266	274,4	274,4	1352,4	1825,4
967	Lebosol-Calcium 16.7%	litres									10
516	Magnesium sulphate	kg					325		325	650	1000
666	Micromax (7.5%CaO+12%Fe+37.5% SO3)	kg									21,9
1016	Micromax Premium B+Cu+Fe+Mn+Mo+Zn	kg		19,4		19	19	19,6	59,5	136,5	146,3
622	Mono-calcium phosphate	kg									225
581	Mono-potassium phosphate	kg					275		300	575	575
420	NPK 12+6+20	kg		48,5		47,5	47,5	49	49	241,5	266
979	Peters Professional Power P 9+40+25+OE	kg		9,7		9,5	9,5	9,8	9,8	48,3	53,2
644	PG-Mix 15+10+20	kg									109,5
537	Potassium nitrate (13+0+45)	kg					550		550	1100	1650
631	Wuxal Ca Suspension	litres									10

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		

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

OVERVIEW RECORDED DATA (Continued)

MPS company number: 760004/13

Company name: Rosa-Danica A/S

Valid: Period 8-2022 until Period 7-2023

Version: 15-7-2023

GENERAL INFORMATION FORM

MPS-Mind

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)? 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 8-2022 until Period 7-2023

Version: 15-7-2023

Code	Description	Unit	Period 8	Period 9	Period 10	Period 11	Period 12	Period 13	Subtotal
FORM RECEIVED			yes	yes	yes	yes	yes	yes	
CROP PROTECTION AGENTS									
990700	Amblys./Neo.swirskii (=wrong code /use code 990705	number	300000	100000	350000	200000	100000		1050000
990707	Amblyseius / Neoseiulus andersoni	number	250000	50000	325000		50000		675000
990395	Amblyseius / Neoseiulus cucumeris	number	62500						62500
3847	Azatin EC	litres			0,75				0,75
3352	Caryx	litres							
3028	Cerone	litres	0,03	0,03			0,05	0,03	0,14
3787	Configure	litres			2,25		2,4		4,65
3205	Conserve	litres		0,7	0,4		0,3		1,4
3113	Dipel	litres			0,3				0,3
990675	Hypoaspis miles / Stratiolaelaps Scimitus	number	300000	25000	525000		250000		1100000
3865	Mainspring	kg		0,1					0,1
3345	Medax Top	litres	0,5	0,58			0,05	0,08	1,21
3785	NeemAzal T/S	litres		0,06			0,12		0,18
990391	Phytoseiulus persimilis	number	20000	4000	56000		8000		88000
3271	Pirouette	litres	3,5	10,7	2,6			0,04	16,84
3343	Prestop WP	kg	0,9	0,3			0,38	0,53	2,11
3320	Redusol	litres							
3293	Teppeki	kg							
3830	Trianum-P	kg	0,9	0,3			0,38	0,53	2,11
3368	Turex WP	kg			0,25				0,25
ENERGY									
4	Electricity from the grid (Total)	kWh	34074	36759	41392	39500	57829	112991	322545
6	Green electricity from the grid	kWh	21126	26467	21938	26465	39902	67795	203693
7	Residual heat usage	GJ	315	309	491	574	786	1138	3613
LIGHTING									
550001	HP-Hg 400W Conv.	Hour	1	1	1	1	1	1	
		Number							
		kWatt	11099	20743	22242	38562	94815	94815	
FERTILIZERS									
550	Calcium magnesium carbonate	kg					39,2		39,2
545	Calcium nitrate (nitrate o	kg		1200			19,6		1219,6

OVERVIEW RECORDED DATA (Continued)

MPS company number: **760004/13**

Company name: Rosa-Danica A/S

Valid: Period 8-2022 until Period 7-2023

Version: 15-7-2023

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

FERTILIZERS (Continued)

561	Ferrous chelate EDDHA 6%	kg		25					25
638	Kalk	kg	110,4	225,4			137,2		473
967	Lebosol-Calcium 16.7%	litres		10					10
516	Magnesium sulphate	kg		350					350
666	Micromax (7.5%CaO+12%Fe+37.5% SO3)	kg	7,2	14,7					21,9
1016	Micromax Premium B+Cu+Fe+Mn+Mo+Zn	kg				9,8			9,8
622	Mono-calcium phosphate	kg		225					225
581	Mono-potassium phosphate	kg							
420	NPK 12+6+20	kg					24,5		24,5
979	Peters Professional Power P 9+40+25+OE	kg					4,9		4,9
644	PG-Mix 15+10+20	kg	36	73,5					109,5
537	Potassium nitrate (13+0+45)	kg		550					550
631	Wuxal Ca Suspension	litres						10	10

ENVIRONMENTAL CLUSTERS

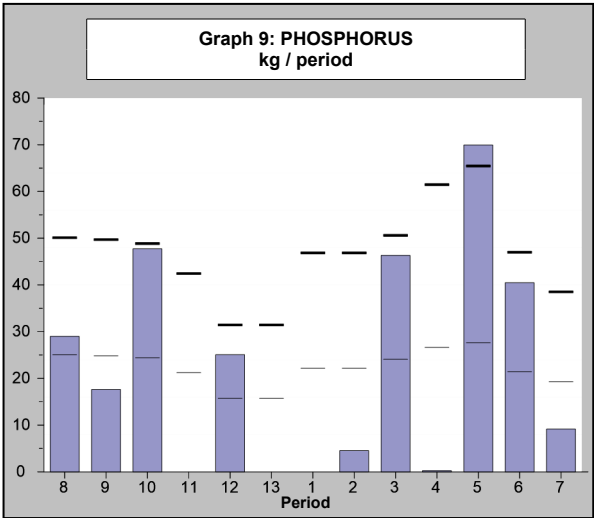
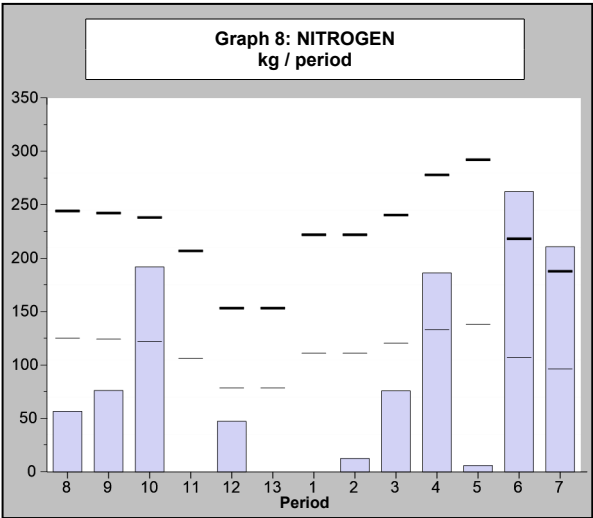
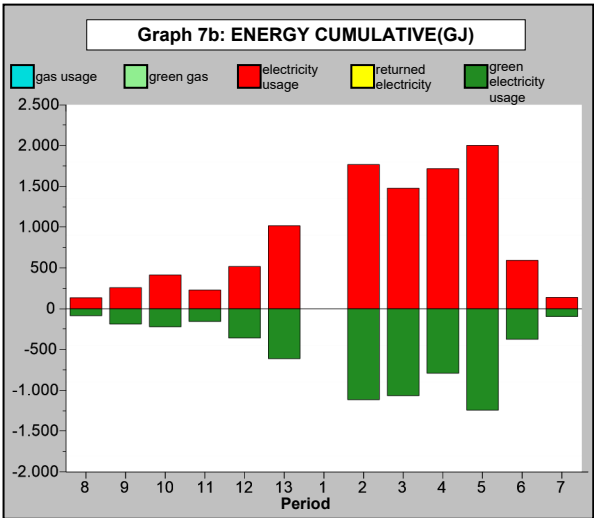
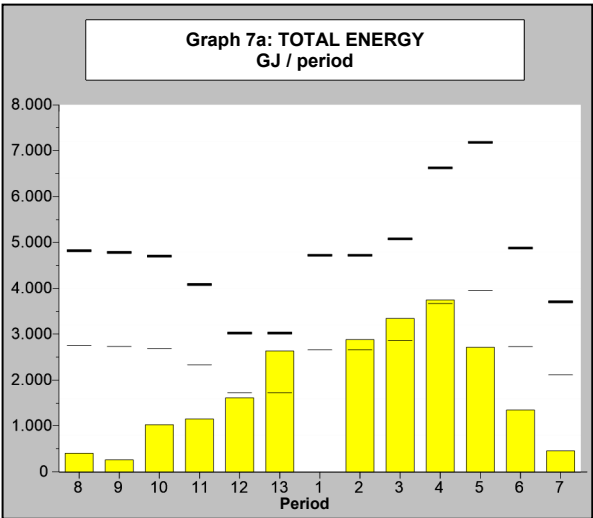
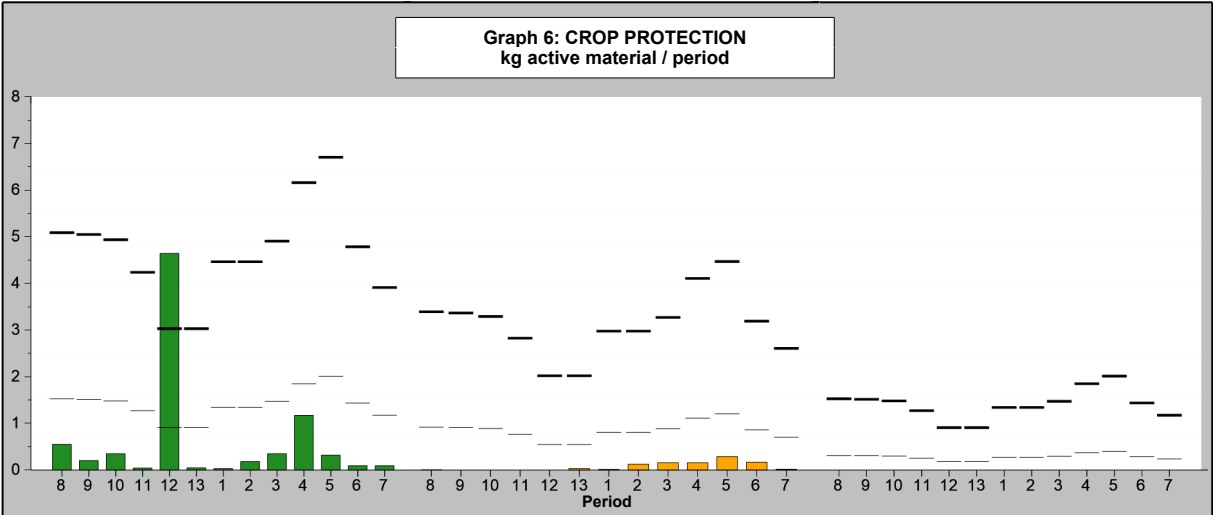
Indoor crops									
4065	POT PLANTS 5	m2	12428	11363	6967	2760	1608	3108	
5065	POT PLANTS 5 par-mat	m2			1393	6500	6500	2786	
Subtotal			12428	11363	8360	9260	8108	5894	
Certified parental material									
661	MPS-ABC certif.parental mat. indoor	m2	12428	11363	8360	9260	8108	5894	

QUALIFICATION AND PERIOD GRAPHS

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

Valid: Period 8-2022 until Period 7-2023
Version: 15-7-2023

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



MPS-Overview Composition of Qualification

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

Valid: Period 8-2022 until Period 7-2023
Version: 15-7-2023

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				18,2-60,8 kg	8,1 kg
	Amber				10,9-40,5 kg	0,9 kg
	Red				3,6-18,2 kg	0 kg
Energy		28172,8-49911,6 GJ		23 %	34642-61371,7 GJ	
Nitrogen (N)		1180,9-2357,6 kg		23 %	1452,2-2899,1 kg	
Phosphorus (P)		236,2-496,7 kg		23 %	290,4-610,8 kg	

Overview Environmental zones

Period	8	9	10	11	12	13	1	2	3	4	5	6	7
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	0,116		
BB Start	○	bacteria			
	○	ethanol			
	○	garlic extract			
	○	humic acids			
	○	lactic acid			
	○	seaweed extract			
	○	yeast			
BotaniGard WP	○	beauveria bassiana			
Configure	●	6-benzylaminopurine	0,291		
Conserve	●	spinosad	0,587		
Cycocel Extra (19-13)	●	chlormequat chloride	5,529		
Dipel	○	bacillus thuringiensis			
Duxon	○	potassium oleate			
Gnatrol SC	○	bacillus thuringiensis			
Mainspring	●	cyantraniliprole	0,284		
Menno Florades	●	benzoic acid	0,900		
Mycostop	○	streptomyces griseoviridis			
NeemAzal T/S	●	azadirachtin	0,030		
Pediment	○	pirimicarb		0,500	
Pirouette	○	paclobutrazol		0,449	
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	0,325		
Trium-P	○	trichoderma harzianum			
Turex WP	○	bacillus thuringiensis			
Annual company unit use of active substance			8,062	0,949	0

OVERVIEW RECORDED DATA

MPS company number: **760004/14**

Company name: Rosa-Danica A/S

Valid: Period 8-2022 until Period 7-2023

Version: 15-7-2023

Code	Description	Unit	Period 1	Period 2	Period 3	Period 4	Period 5	Period 6	Period 7	Subtotal	Year total
------	-------------	------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	----------	------------

FORM RECEIVED

yes yes yes yes yes yes yes yes

CROP PROTECTION AGENTS

990395	Amblyseius / Neoseiulus cucumeris	number		3400000	2300000	4875000	25625000	21500000	1450000	59150000	66937500
3847	Azatin EC	litres		0,14			0,29	0,3		0,73	4,47
3896	BB Start	litres							1000	1000	1000
3794	BotaniGard WP	kg				0,04	0,01			0,05	0,05
3787	Configure	litres							0,51	0,51	14,56
3205	Conserve	litres							0,68	0,68	4,89
3022	Cycocel Extra (19-13)	litres	0,03	0,28	0,64	0,45	0,38	0,14		1,92	12,02
3113	Dipel	litres									0,9
3235	Duxon	litres						15	30	45	45
3366	Gnatrol SC	litres				5	2,1	1,65	27,34	36,09	114,73
990675	Hypoaspis miles / Stratiolaelaps Scimitus	number		5250000		5300000	5125000	3250000	4500000	23425000	31275000
3865	Mainspring	kg									0,71
3153	Menno Florades	litres				10				10	10
3122	Mycostop	kg			0,05		0,04	0,06	0,15	0,3	0,45
3785	NeemAzal T/S	litres		0,34	0,43	0,38				1,15	3,03
3881	Pediment	kg		0,12	0,21	0,2	0,24	0,2	0,03	1	1
3271	Pirouette	litres	3,06	15,89	12,59	12,89	41,86	16,82		103,11	112,37
3343	Prestop WP	kg		0,44	1,51	1,25	1,8	1,86	3,88	10,74	17,08
3791	ReduFuse IR	litres							1280	1280	1280
3320	Redusol	litres						960	920	1880	1880
3811	Serenade ASO	litres				8,4				8,4	8,4
3806	SilicaPower	litres									2
990515	Steinernema feltiae	number		9500000000	9500000000	18500000000	15000000000	6000000000	21000000000	79500000000	124200000000
3836	Subvivo	kg		0,5	1,5	3,5			1,5	7	7,5
3101	Sulpher for burning	kg			25	25				50	50
3293	Teppeki	kg	0,03	0,09	0,1	0,12	0,27	0,04		0,65	0,65
3830	Triatum-P	kg		0,17						0,17	2,98
3368	Turex WP	kg									1,02
3816	Wetcit	litres				5				5	5

ENERGY

4	Electricity from the grid (Total)	kWh		321593	268938	312440	364327	108020	25222	1400540	1869474
6	Green electricity from the grid	kWh		202604	193635	143722	225883	68053	17151	851048	1144728
7	Residual heat usage	GJ		2564	3371	3242	2247	1300	476	13200	20264

OVERVIEW RECORDED DATA (Continued)

MPS company number: 760004/14

Company name: Rosa-Danica A/S

Valid: Period 8-2022 until Period 7-2023

Version: 15-7-2023

Code	Description	Unit	Period 1	Period 2	Period 3	Period 4	Period 5	Period 6	Period 7	Subtotal	Year total
------	-------------	------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	----------	------------

LIGHTING

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

FERTILIZERS

519	Calcium chloride 80%/85%	kg									225
550	Calcium magnesium carbonate	kg		76,8	153,6				150,4	380,8	419,2
545	Calcium nitrate (nitrate o	kg		38,4	122,88	1200		1296	1275,2	3932,48	5151,68
561	Ferrous chelate EDDHA 6%	kg			3,23			31,72		34,95	84,95
638	Kalk	kg		268,8	887,81			729,6	526,4	2412,61	3540,61
967	Lebosol-Calcium 16.7%	litres									10
980	Loker L 2+8+6 (+3.3MgO)	litres				5			5	10	25
516	Magnesium sulphate	kg			200		250	200		650	1250
666	Micromax (7.5%CaO+12%Fe+37.5% SO3)	kg									64,8
1016	Micromax Premium B+Cu+Fe+Mn+Mo+Zn	kg		19,2	56,83			38,4	37,6	152,03	161,63
622	Mono-calcium phosphate	kg									350
581	Mono-potassium phosphate	kg			150		300	150		600	700
1084	Multi-Mix 10+15+15 (+4MgO+5CaO) +ME	kg			46,08			96		142,08	142,08
410	Nitric Acid 62%	litres									70
420	NPK 12+6+20	kg		48	96				94	238	262
979	Peters Professional Power P 9+40+25+OE	kg		9,6	19,2				18,8	47,6	52,4
644	PG-Mix 15+10+20	kg									324
537	Potassium nitrate (13+0+45)	kg			300			400		700	1650
997	SalicylPure	litres					12		12	24	42
919	TBF 17+10+14+4 (Tref Base Fertilizer)	kg					35,34			35,34	35,34
631	Wuxal Ca Suspension	litres				10				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		

OVERVIEW RECORDED DATA (Continued)

MPS company number: **760004/14**

Company name: Rosa-Danica A/S

Valid: Period 8-2022 until Period 7-2023

Version: 15-7-2023

Code	Description	Unit	Period 1	Period 2	Period 3	Period 4	Period 5	Period 6	Period 7	Subtotal	Year total
	Certified parental material										
661	MPS-ABC certif.parental mat. indoor	m2	22475	22475	24830	28163	29807	23120	20855		

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

OVERVIEW RECORDED DATA (Continued)

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

Valid: Period 8-2022 until Period 7-2023
Version: 15-7-2023

GENERAL INFORMATION FORM

MPS-OEX

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 8-2022 until Period 7-2023

Version: 15-7-2023

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

FORM RECEIVED

yes yes yes yes yes yes

CROP PROTECTION AGENTS

990395	Amblyseius / Neoseiulus cucumeris	number	662500	1525000	975000	1150000	1725000	1750000	7787500
3847	Azatin EC	litres		0,23	3,36		0,15		3,74
3896	BB Start	litres							
3794	BotaniGard WP	kg							
3787	Configure	litres	0,36	2,04	9,67	1,98			14,05
3205	Conserve	litres	3,45		0,43		0,33		4,21
3022	Cycocel Extra (19-13)	litres					10	0,1	10,1
3113	Dipel	litres			0,9				0,9
3235	Duxon	litres							
3366	Gnatrol SC	litres	44,48	9,66	5,72		2,78	16	78,64
990675	Hypoaspis miles / Stratiolaelaps Scimitus	number	825000	1000000	1650000		2250000	2125000	7850000
3865	Mainspring	kg	0,32	0,39					0,71
3153	Menno Florades	litres							
3122	Mycostop	kg	0,1	0,01	0,01			0,03	0,15
3785	NeemAzal T/S	litres			1,88				1,88
3881	Pediment	kg							
3271	Pirouette	litres	1,5					7,76	9,26
3343	Prestop WP	kg	2,7	0,48	0,65		0,56	1,95	6,34
3791	ReduFuse IR	litres							
3320	Redusol	litres							
3811	Serenade ASO	litres							
3806	SilicaPower	litres	2						2
990515	Steinernema feltiae	number	1820000000	300000000	700000000		350000000	1300000000	4470000000
3836	Subvivo	kg						0,5	0,5
3101	Sulpher for burning	kg							
3293	Teppeki	kg							
3830	Trium-P	kg	0,63	0,47	0,65		0,56	0,5	2,81
3368	Turex WP	kg		0,08	0,94				1,02
3816	Wetcit	litres							

ENERGY

4	Electricity from the grid (Total)	kWh	24737	47216	75410	42005	94419	185147	468934
6	Green electricity from the grid	kWh	15337	33995	39968	28143	65149	111088	293680
7	Residual heat usage	GJ	407	221	960	1241	1671	2564	7064

OVERVIEW RECORDED DATA (Continued)

MPS company number: 760004/14

Company name: Rosa-Danica A/S

Valid: Period 8-2022 until Period 7-2023

Version: 15-7-2023

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

LIGHTING

550001	HP-Hg 400W Conv.	Hour	1	1	1	1	1	1	
		Number							
		kWatt	17219	47481	25304	72253	164899	164899	

FERTILIZERS

519	Calcium chloride 80%/85%	kg	100	75			50		225
550	Calcium magnesium carbonate	kg					38,4		38,4
545	Calcium nitrate (nitrate o	kg			1200		19,2		1219,2
561	Ferrous chelate EDDHA 6%	kg					50		50
638	Kalk	kg	441,6	441,6	110,4		134,4		1128
967	Lebosol-Calcium 16.7%	litres		10					10
980	Loker L 2+8+6 (+3.3MgO)	litres			15				15
516	Magnesium sulphate	kg	100	200	100		200		600
666	Micromax (7.5%CaO+12%Fe+37.5% SO3)	kg	28,8	28,8	7,2				64,8
1016	Micromax Premium B+Cu+Fe+Mn+Mo+Zn	kg				9,6			9,6
622	Mono-calcium phosphate	kg	100	50	200				350
581	Mono-potassium phosphate	kg					100		100
1084	Multi-Mix 10+15+15 (+4MgO+5CaO) +ME	kg							
410	Nitric Acid 62%	litres	25	25			20		70
420	NPK 12+6+20	kg					24		24
979	Peters Professional Power P 9+40+25+OE	kg					4,8		4,8
644	PG-Mix 15+10+20	kg	144	144	36				324
537	Potassium nitrate (13+0+45)	kg	250	400			300		950
997	SalicylPure	litres	18						18
919	TBF 17+10+14+4 (Tref Base Fertilizer)	kg							
631	Wuxal Ca Suspension	litres							

ENVIRONMENTAL CLUSTERS

	Indoor crops								
4072	POT PLANTS 12	m2							
5065	POT PLANTS 5 par-mat	m2	27140	26924	26331	22603	16155	16155	
	Subtotal		27140	26924	26331	22603	16155	16155	

OVERVIEW RECORDED DATA (Continued)

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

Valid: Period 8-2022 until Period 7-2023
Version: 15-7-2023

Code	Description	Unit	Period 8	Period 9	Period 10	Period 11	Period 12	Period 13	Subtotal
661	Certified parental material MPS-ABC certif.parental mat. indoor	m2	27140	26924	26331	22603	16155	16155	