



Certificate

MPS-ECAS awards this certificate in accordance with the certification standard MPS-ABC version 16, to:

**Gartneriet Lundegaard ApS
Espestok 54Gl. Korup
5210 ODENSE
Denmark
MPS-number: 804454**

Applicable to environmental clusters:
POT PLANTS 2; POT PLANTS REMAINDER; POT PLANTS 5

Validity: **6-11-2023 valid up to and including 28-1-2024**
Total points: **102,0**
Qualification: **A**

Kind regards,
MPS-ECAS

Signature:

Date of issue:
13-10-2023

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: **804454/01**
Company name: Gartneriet Lundegaard ApS (total)

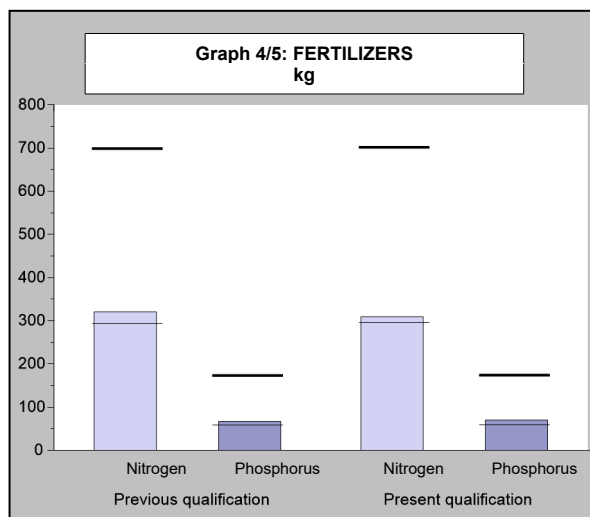
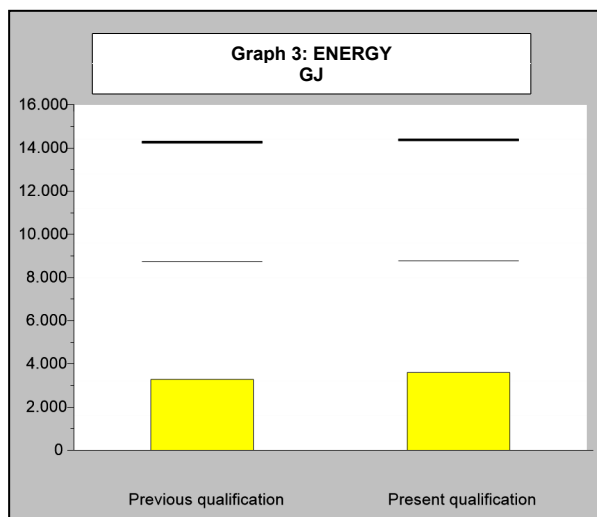
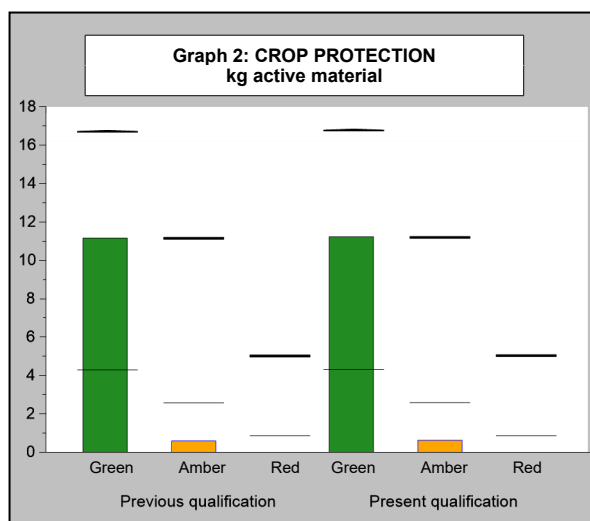
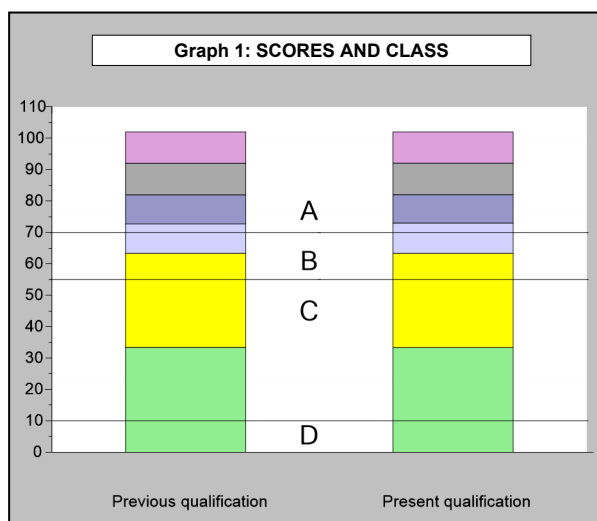
Valid: Period 11-2022 until Period 10-2023
Version: 13-10-2023

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	4.3-16,8 kg	11,2	5,3	12			
	Amber	2.6-11,2 kg	0,6	16	16			
	Red	0.9-5 kg	0	12	12			
total				33,3	40	85 %	83,3 %	no
Energy total		8779,7-14377,7 GJ	3601,5	30	30	75 %	100 %	yes
Fertilizers	Nitrogen	295,5-701,6 kg	309,3	9,7	10			
	Phosphorus	59,1-174 kg	70,2	9	10			
total				18,7	20	75 %	93,4 %	yes
Waste		0-130	130	10	10			
Water								
Certified parental material				10	10			
Total score (points)				102	110	90	102	yes
COMPANY QUALIFICATION				A				

COMPANY USAGE PER 13 PERIODS

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

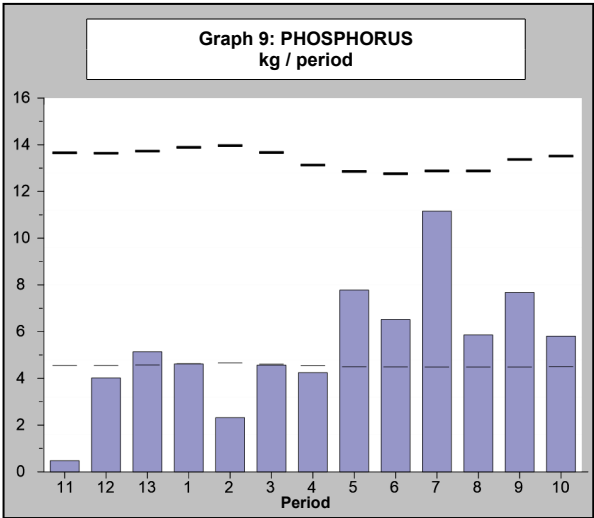
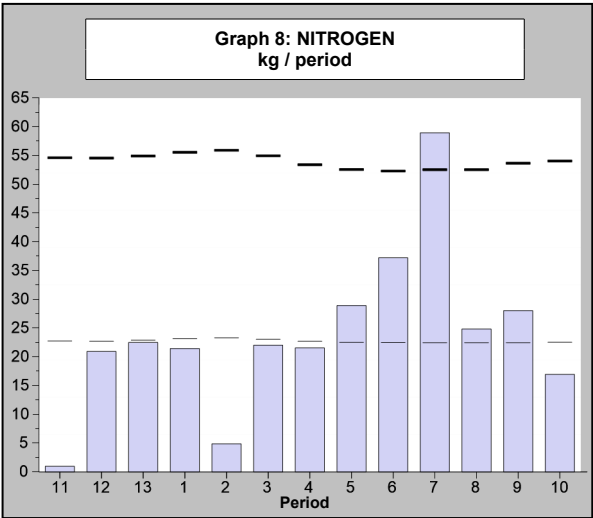
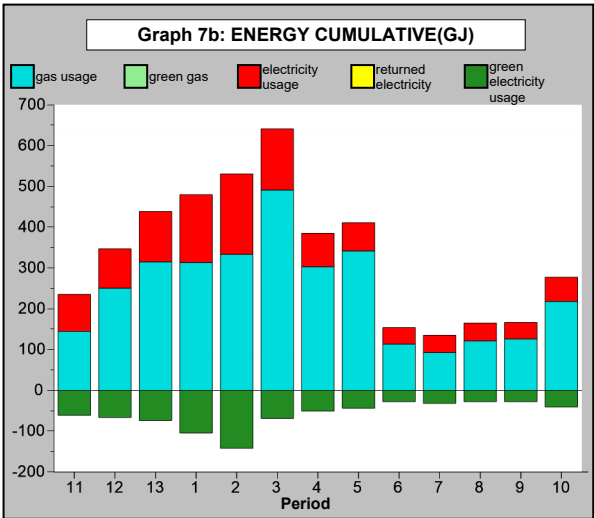
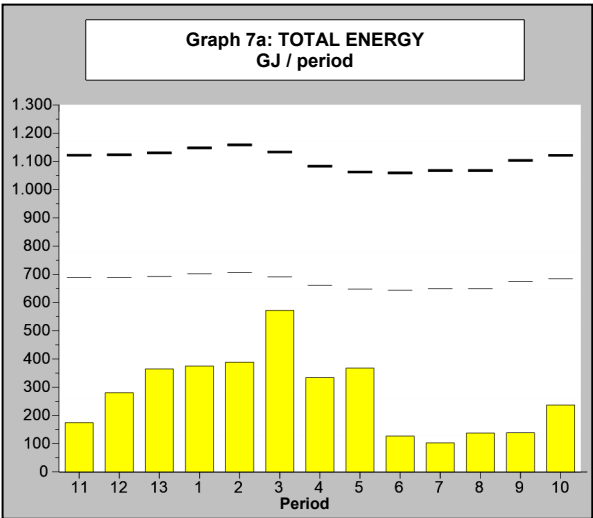
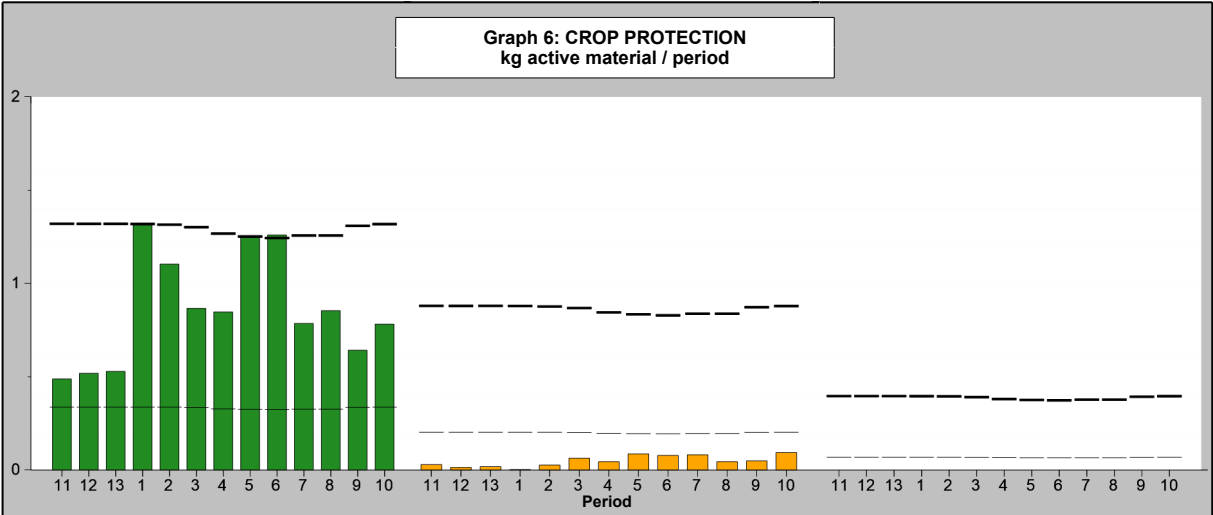


QUALIFICATION AND PERIOD GRAPHS

MPS company number: 804454/01
Company name: Gartneriet Lundegaard ApS (total)

Valid: Period 11-2022 until Period 10-2023
Version: 13-10-2023

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



MPS-Overview Composition of Qualification

MPS company number: **804454/01**
 Company name: Gartneriet Lundegaard ApS (total)

Valid: Period 11-2022 until Period 10-2023
 Version: 13-10-2023

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				4,3-16,8 kg	11,2 kg
	Amber				2,6-11,2 kg	0,6 kg
	Red				0,9-5 kg	0 kg
Energy		8670,3-14198,7 GJ		1,3 %	8779,7-14377,7 GJ	
Nitrogen (N)		291,8-693 kg		1,3 %	295,5-701,6 kg	
Phosphorus (P)		58,4-171,8 kg		1,3 %	59,1-174 kg	

Composition of points MPS environmentally certified parental material

Certified parental material	(Average) area	Your Points	Max points
Total cultivated area 1)	5837 m2		
Area certified parental material MPS-ABC	5837 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.

Overview Environmental zones

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

Company usage of MPS-MIND

Pesticide	Indicator color	active ingredient	Annual company use of active substance		
			Green	Amber	Red
Alar 85 SG	●	daminozide	2,181		
ATR Sneglekorn (Snail Grains)	●	ferric phosphate	0,179		
Azatin EC	●	azadirachtin	0,150		
Caryx	●	mepiquat chloride	0,053		
	●	metaconazole		0,008	
Conserve	●	spinosad	0,081		
Dazide Enhance	●	daminozide	2,156		
Elasto G5	○	wetting/sticker agents other			
Fiba-Zorb (liquid)	○	wetting/sticker agents other			
Geoxe 50 WG	●	fludioxonil	0,022		
Gnatrol SC	○	bacillus thuringiensis			
Lalstop G46 WG	○	fungus			
Pediment	●	pirimicarb		0,034	
Per aqua	○	hydrogen peroxide			
	○	peroxyacetic acid			
Pirouette	●	paclobutrazol		0,543	
Previcur Energy	●	fosetyl-aluminium	1,727		
	●	propamocarb	2,952		
Proplant	●	propamocarb	0,067		
Signum WG	●	boscalid	0,848		
	●	pyraclostrobin	0,213		
Sluxx	●	ferric phosphate	0,186		
Switch	●	cyprodinil	0,143		
	●	fludioxonil	0,096		

MPS-Overview Composition of Qualification

MPS company number: **804454/01**
Company name: Gartneriet Lundegaard ApS (total)

Valid: Period 11-2022 until Period 10-2023
Version: 13-10-2023

Company usage of MPS-MIND

Pesticide	Indicator color	active ingredient	Annual company use of active substance		
			Green	Amber	Red
Teldor WG 50	●	fenhexamid	0,009		
Teppeki	●	flonicamid	0,170		
Vertimec	●	abamectin		0,042	
Annual company use of active substance			11,232	0,627	0

OVERVIEW RECORDED DATA

MPS company number: **804454/01**
 Company name: Gartneriet Lundegaard ApS (total)

Valid: Period 11-2022 until Period 10-2023
 Version: 13-10-2023

Code	Description	Unit	Period 5	Period 6	Period 7	Period 8	Period 9	Period 10	Subtotal	Year total
FORM RECEIVED			yes	yes	yes	yes	yes	yes		
CROP PROTECTION AGENTS										
3023	Alar 85 SG	grams								2566
990395	Amblyseius / Neoseiulus cucumeris	number	250000	400000	400000	400000	300000	350000	2100000	3100000
990424	Aphidius colemani	number	8000	5000	6000	6000	6000	6000	37000	100000
990688	Aphidius ervi	number	1750	1500	1500	1500	1500	1500	9250	12750
990381	Aphidoletes aphidimyza	number		4000	4000	4000		2000	14000	14000
3868	ATR Sneglekorn (Snail Grains)	grams	1472	2285	1472	1325	276		6830	7382
3847	Azatin EC	ml	690	450		1362	520	680	3702	5787
3352	Caryx	ml	8		96				104	250
3205	Conserve	ml				260		419	679	679
3809	Dazide Enhance	grams	602	420	406	448	394	266	2536	2536
3305	Elasto G5	ml	860	600	580	640	560	380	3620	10280
3348	Fiba-Zorb (liquid)	ml	3516	2265	2041	2041	3606	2284	15753	29871
3798	Geoxe 50 WG	grams			43				43	43
3366	Gnatrol SC	ml	6660		2565	2940	5415	2275	19855	55659
990675	Hypoaspis miles / Stratiolaelaps Scimitus	number	1375000	1500000	1250000	1125000	750000	625000	6625000	12625000
3910	Lalstop G46 WG	grams		200				100	300	500
3881	Pediment	grams						67	67	67
3307	Per aqua	ml	88000	88000	132000	88000	198000	88000	682000	1276000
3271	Pirouette	ml	21402	19540	16130	10905	11520	11790	91287	135750
3321	Previcur Energy	ml	525	735	360	345	270	340	2575	5570
3248	Proplant	ml								105
3270	Signum WG	grams	550	320	42	40	103	20	1075	3177
3328	Sluxx	grams						6210	6210	6210
990515	Steinernema feltiae	number	4700000000	3620000000		238	4680000000	2000000000	1500000238	4425000238
3272	Switch	grams	89	110		63			262	382
3183	Teldor WG 50	grams						18	18	18
3293	Teppeki	grams		85	92	63	52		292	340
3251	Vertimec	ml			757		170	660	1587	2307
WATER										
21	Total irrigation	m3	353	195	237	248	225	203	1461	2083
ENERGY										
1	Gas consumption	m3	9744	3240	2646	3456	3591	6214	28891	90215
2	Conversion factor		1	1	1	1	1	1		

OVERVIEW RECORDED DATA (Continued)

MPS company number: **804454/01**
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Valid: Period 11-2022 until Period 10-2023
 Version: 13-10-2023

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

3	Caloric value		1	1	1	1	1	1		
4	Electricity from the grid (Total)	kWh	12599	7366	7650	7958	7391	10807	53771	218458
6	Green electricity from the grid	kWh	7937	5009	5814	5014	5026	7349	36149	139345

LIGHTING

550012	HP-Na 600W 230V Conv.	Hour	1	1		1		1		
		Number								
		kWatt	1814	397		27		2168		

FERTILIZERS

513	Ammonium nitrate	kg	0,3			0,3			0,6	1,2
545	Calcium nitrate (nitrate o	kg	48	92	138	48	46		372	608
635	Fosmagnit	litres	0,8			0,8			1,6	3,2
935	Kalisalpeter 13+0+38 Multi-K GG	kg	53,2	100	150	53,2	50	50	456,4	716
647	Kaliumsulfat (44% K2O)	kg	25	50	75	25	43	25	243	368
638	Kalk	kg	137,29	91,01	82,72	82,72	140,62	137	671,36	1244,14
572	Magnesium Nitrate 11+0+0	kg	20,9	40	60	20,9	20	20	181,8	284,5
516	Magnesium sulphate	kg	18	36	18	18		18	108	198
666	Micromax (7.5%CaO+12%Fe+37.5% SO3)	kg	1,983	1,357	1,246	1,25	2,028	1,36	9,224	17,861
581	Mono-potassium phosphate	kg	9	18	27	9	9	9	81	126
420	NPK 12+6+20	kg	26,175	17,92	16,44	16,44	26,77	18,04	121,785	235,756
412	Phosphorsyre 75%	litres	18	6	18	12	18	12	84	120
453	Pioner Jernchlat 5% HEEDTA	litres								36,2
457	Pioner Mikro Plus med Jern (1.92%)	litres	18,1	36	54	18,1	18	18	162,2	216,3
414	Salpetersyre 62%	litres	84	28	84	56	84	56	392	560

ENVIRONMENTAL CLUSTERS

Indoor crops										
4062	POT PLANTS 2	m2	1011	857	880	880	980	761		
4065	POT PLANTS 5	m2	840	929	767	767	127			
4070	POT PLANTS REMAINDER	m2	3986	4051	4190	4190	4730	5076		
	Subtotal		5837	5837	5837	5837	5837	5837		
Certified parental material										
661	MPS-ABC certif.parental mat. indoor	m2	5837	5837	5837	5837	5837	5837		

OVERVIEW RECORDED DATA (Continued)

MPS company number: **804454/01**
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Valid: Period 11-2022 until Period 10-2023
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Code	Description	Unit	Period 5	Period 6	Period 7	Period 8	Period 9	Period 10	Subtotal	Year total
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Certified parental material

GENERAL INFORMATION FORM

MPS-Mind

Surface water

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

Cover

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

OVERVIEW RECORDED DATA (Continued)

MPS company number: 804454/01
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GENERAL INFORMATION FORM

Waste management

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

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

CROP PROTECTION AGENTS

3023	Alar 85 SG	grams	234	154	231	357	547	539	504	2566
990395	Amblyseius / Neoseiulus cucumeris	number	50000			400000	200000	200000	150000	1000000
990424	Aphidius colemani	number	12000	12000	8000	12000	9000	6000	4000	63000
990688	Aphidius ervi	number					750	1500	1250	3500
990381	Aphidoletes aphidimyza	number								
3868	ATR Sneglekorn (Snail Grains)	grams							552	552
3847	Azatin EC	ml	900					675	510	2085
3352	Caryx	ml	130						16	146
3205	Conserve	ml								
3809	Dazide Enhance	grams								
3305	Elasto G5	ml	600	440	660	1020	2880		1060	6660
3348	Fiba-Zorb (liquid)	ml	774	793	3973	2651	2034	2165	1728	14118
3798	Geoxe 50 WG	grams								
3366	Gnatrol SC	ml	1670	2660	2560	11170	3420	10050	4274	35804
990675	Hypoaspis miles / Stratiolaelaps Scimitus	number	500000	500000	375000	1125000	1000000	1000000	1500000	6000000
3910	Lalstop G46 WG	grams	50				150			200
3881	Pediment	grams								
3307	Per aqua	ml	88000	44000	132000	110000	110000	110000		594000
3271	Pirouette	ml	6077	2598	2154	388	6601	15675	10970	44463
3321	Previcur Energy	ml	270	240	375	835	570	360	345	2995
3248	Proplant	ml						105		105
3270	Signum WG	grams	36	462	50	792	404	62	296	2102
3328	Sluxx	grams								
990515	Steinernema feltiae	number	171000000	204000000	252000000	924000000	374000000	675000000	325000000	2925000000
3272	Switch	grams		50		70				120
3183	Teldor WG 50	grams								
3293	Teppeki	grams					48			48
3251	Vertimec	ml	30	170	520					720

WATER

21	Total irrigation	m3	78	130	79	81	70	95	89	622
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ENERGY

1	Gas consumption	m3	4118	7149	8978	8941	9509	13996	8633	61324
2	Conversion factor		1	1	1	1	1	1	1	

OVERVIEW RECORDED DATA (Continued)

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

3	Caloric value		1	1	1	1	1	1	1	
4	Electricity from the grid (Total)	kWh	16549	17493	22446	30196	35817	27245	14941	164687
6	Green electricity from the grid	kWh	11088	12070	13430	19024	25788	12533	9263	103196

LIGHTING

550012	HP-Na 600W 230V Conv.	Hour	1	1	1	1	1	1	1	
		Number								
		kWatt	9062	8265	12682	20457	25655	17745	8083	

FERTILIZERS

513	Ammonium nitrate	kg		0,3				0,3		0,6
545	Calcium nitrate (nitrate o	kg		48	46	46		48	48	236
635	Fosmagnit	litres		0,8				0,8		1,6
935	Kalisalpeter 13+0+38 Multi-K GG	kg		53,2	50	50		53,2	53,2	259,6
647	Kaliumsulfat (44% K2O)	kg		25	25	25		25	25	125
638	Kalk	kg	35,84	36,54	154,2	105,29	82,46	87,31	71,14	572,78
572	Magnesium Nitrate 11+0+0	kg		20,9	20	20		20,9	20,9	102,7
516	Magnesium sulphate	kg		18	18	18		18	18	90
666	Micromax (7.5%CaO+12%Fe+37.5% SO3)	kg	0,612	0,622	2,212	1,55	1,242	1,31	1,089	8,637
581	Mono-potassium phosphate	kg		9	9	9		9	9	45
420	NPK 12+6+20	kg	8,078	8,204	29,19	20,47	16,394	17,26	14,375	113,971
412	Phosporsyre 75%	litres		6	6	6	6	6	6	36
453	Pioner Jernchlat 5% HEEDTA	litres						18,1	18,1	36,2
457	Pioner Mikro Plus med Jern (1.92%)	litres		18,1	18	18				54,1
414	Salpetersyre 62%	litres		28	28	28	28	28	28	168

ENVIRONMENTAL CLUSTERS

Indoor crops										
4062	POT PLANTS 2	m2	1130	1041	1061	915	777	819	1045	
4065	POT PLANTS 5	m2					37	207	647	
4070	POT PLANTS REMAINDER	m2	4707	4796	4776	4922	5023	4811	4145	
	Subtotal		5837	5837	5837	5837	5837	5837	5837	
Certified parental material										
661	MPS-ABC certif.parental mat. indoor	m2	5837	5837	5837	5837	5837	5837	5837	

OVERVIEW RECORDED DATA (Continued)

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Valid: Period 11-2022 until Period 10-2023
Version: 13-10-2023

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

Certified parental material