



Certificate

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

**Gartneriet Svend Erik Nielsen ApS
Neversvej 38
5690 Tommerrup
Denmark
MPS-number: 910179**

Applicable to environmental clusters:

POT PLANTS 4; POT PLANTS 5; POT PLANTS 7; POT PLANTS 8; POT PLANTS REMAINDER

Validity: **20-5-2024 valid up to and including 11-8-2024**

Total points: **108,7**

Qualification: **A+**

Kind regards,
MPS-ECAS

Signature:

Date of issue:
15-5-2024

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

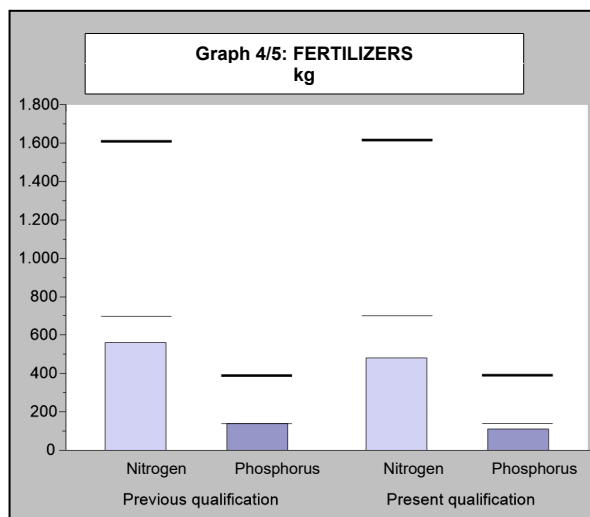
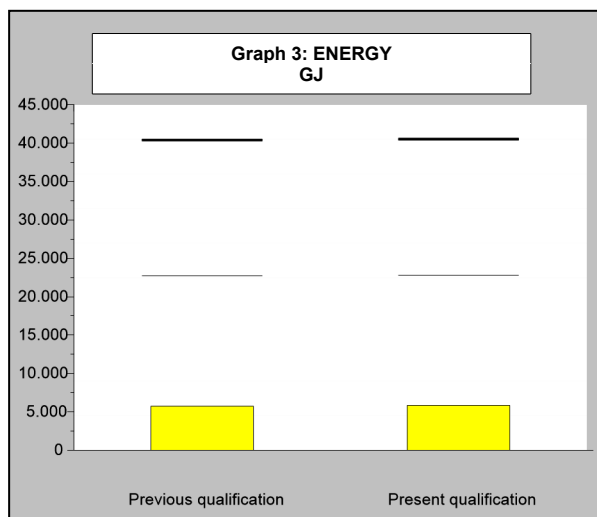
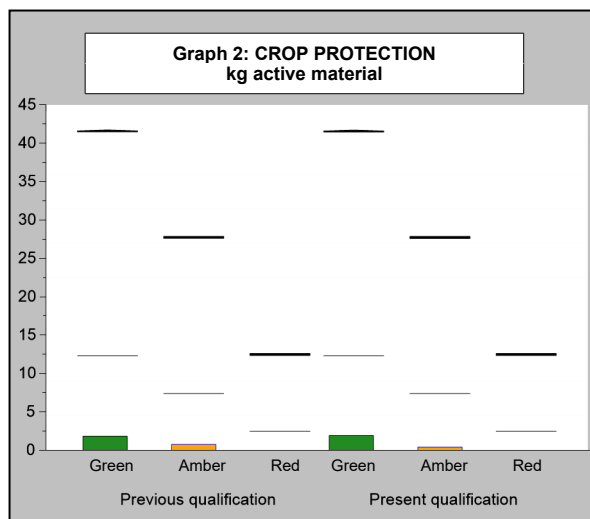
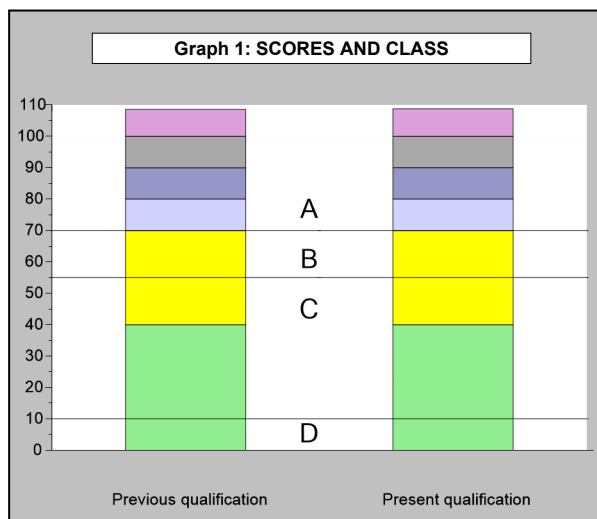
MPS company number: 910179/01
Company name: Gartneriet Svend Erik Nielsen ApS (total)

Valid: Period 5-2023 until Period 4-2024
Version: 15-5-2024

Table 1: DATA QUALIFICATIONS	
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SUBJECT		Your Company standard	Your use	Your points	max. points	A+ standard	A+ score	Obtained
		Lower- Upper limit						
Crop protection	Green	12,3-41,6 kg	1,9	12	12			
	Amber	7.4-27,7 kg	0,4	16	16			
	Red	2,5-12,5 kg	0	12	12			
total				40	40	85 %	100 %	yes
Energy total		22806,6-40532,2 GJ	5845,4	30	30	75 %	100 %	yes
Fertilizers	Nitrogen	701,4-1616,8 kg	481,6	10	10			
	Phosphorus	140,3-391,3 kg	111,4	10	10			
total				20	20	75 %	100 %	yes
Waste		0-130	130	10	10			
Water								
Certified parental material				8,7	10			
Total score (points)				108,7	110	90	108,7	yes
COMPANY QUALIFICATION				A+				

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

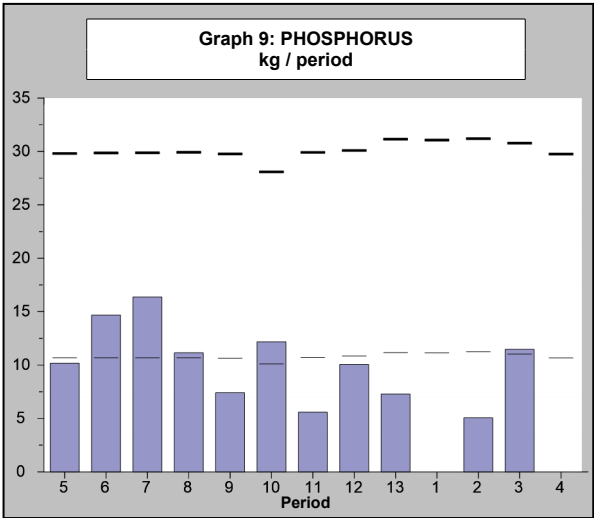
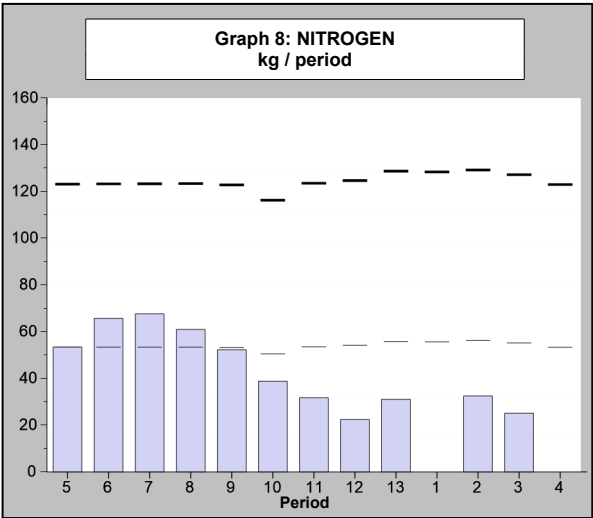
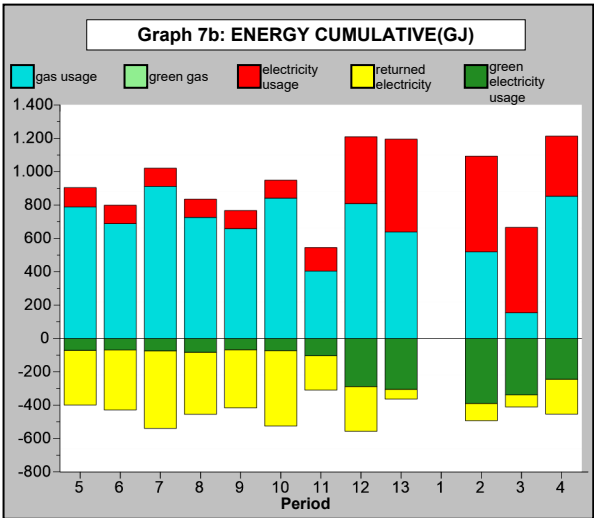
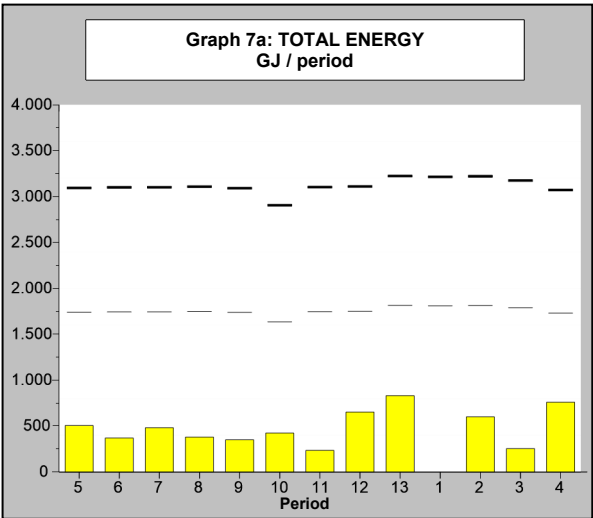
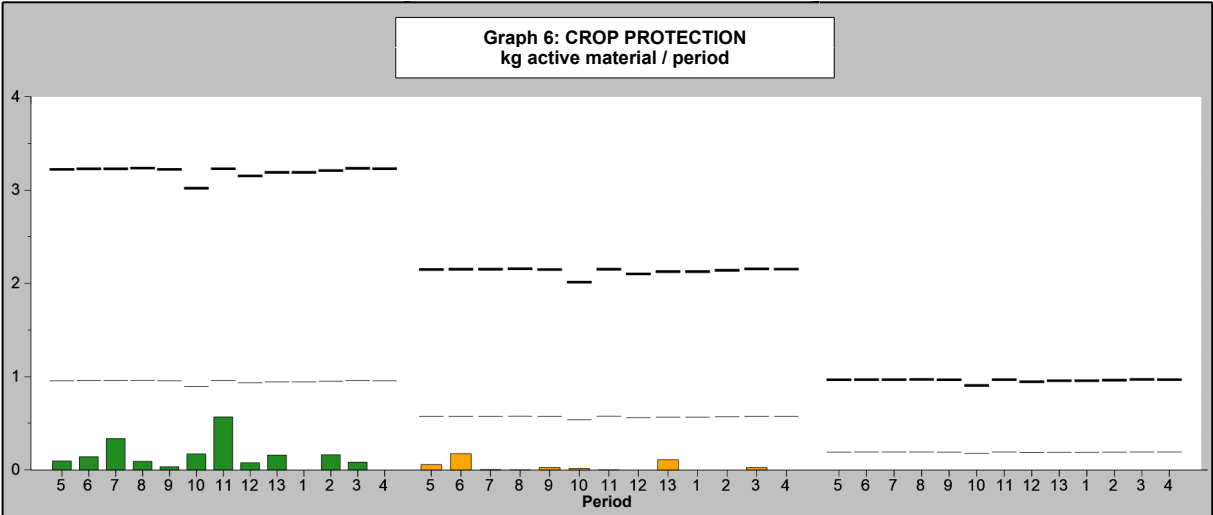


QUALIFICATION AND PERIOD GRAPHS

MPS company number: 910179/01
Company name: Gartneriet Svend Erik Nielsen ApS (total)

Valid: Period 5-2023 until Period 4-2024
Version: 15-5-2024

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



MPS-Overview Composition of Qualification

MPS company number: **910179/01**

Valid: Period 5-2023 until Period 4-2024

Company name: Gartneriet Svend Erik Nielsen ApS (total)

Version: 15-5-2024

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

THEMA		Basic standard		% OEX	Companystandard	
		lower-limit	upper-limit		lower-limit	upper-limit
Crop protection	Green				12,3-41,6 kg	1,9 kg
	Amber				7,4-27,7 kg	0,4 kg
	Red				2,5-12,5 kg	0 kg
Energy		22366,2-39749,7 GJ		2 %	22806,6-40532,2 GJ	5845,4 GJ
Nitrogen (N)		687,8-1585,5 kg		2 %	701,4-1616,8 kg	481,6 kg
Phosphorus (P)		137,6-383,7 kg		2 %	140,3-391,3 kg	111,4 kg

Composition of points MPS environmentally certified parental material

Certified parental material	(Average) area	Your Points	Max points
Total cultivated area 1)	13756,1 m2		
Area certified parental material MPS-ABC	12027,9 m2	8,7	10
Area certified parental material GLOBALGAP	0 m2	0	5
Total points for Certified parental material		8,7	10

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

Overview Environmental zones

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

Company usage of MPS-MIND

Pesticide	Indicator color	active ingredient	Annual company use of active substance		
			Green	Amber	Red
Alette	●	fosetyl-aluminium	0,029		
Azatin EC	●	azadirachtin	0,052		
BioGlans	○	leaf shine			
BotaniGard WP	○	beauveria bassiana			
Flexity	●	metrafenone		0,015	
Floramite	●	bifenazate	0,019		
Geoxe 50 WG	●	fludioxonil	0,108		
Mainspring	●	cyantraniliprole	0,102		
Milbeknock	●	milbemectin		0,015	
Mospilan SG	●	acetamiprid	0,284		
Movento SC 100	●	spirotetramat	0,125		
NeemAzal T/S	●	azadirachtin	0,042		
Nissorun 250 SC (liquid)	●	hexythiazox	0,106		
Pediment	●	pirimicarb		0,329	
Previcur Energy	●	fosetyl-aluminium	0,326		
	●	propamocarb	0,557		
Redusol	○	shadingmaterial/ coating			
Sluxx	●	ferric phosphate	0,104		
Teppeki	●	flonicamid	0,072		
Trianum-G	○	trichoderma harzianum			
Trichodex (Trichoderma)	○	trichoderma harzianum			
Vertimec	●	abamectin		0,059	
Annual company use of active substance			1,925	0,418	0

OVERVIEW RECORDED DATA

MPS company number: **910179/01**
 Company name: Gartneriet Svend Erik Nielsen ApS (total)

Valid: Period 5-2023 until Period 4-2024
 Version: 15-5-2024

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

yes yes yes yes yes yes yes yes

CROP PROTECTION AGENTS

3176 Aliette	grams	120	40							160	360
990673 Amblyseius / Neoseiulus californicus	number		150000				200000	50000		400000	950000
990395 Amblyseius / Neoseiulus cucumeris	number		1820000				3640000	260000		5720000	5720000
992010 Atheta coriaria	number		1000	4000			1000	4000		10000	10000
3847 Azatin EC	ml	105	210	315				840		1470	1995
3364 BioGlans	ml		6000							6000	8000
3794 BotaniGard WP	grams		500				500			1000	1000
3337 Flexity	ml										50
3279 Floramite	ml										80
3798 Geoxe 50 WG	grams	20	39				9	9		77	216
990675 Hypoaspis miles / Stratiolaelaps Scimitus	number		250000				250000			500000	1250000
3865 Mainspring	grams										254
3289 Milbeknock	ml			210				560		770	1580
3277 Mospilan SG	grams	35		105				280		420	1418
3315 Movento SC 100	ml	203	488	53			18	18		780	1253
3785 NeemAzal T/S	ml										4240
3821 Nissorun 250 SC (liquid)	ml										425
3881 Pediment	grams			216				42		258	658
3321 Previcur Energy	ml	600		150			150			900	1050
3320 Redusol	ml										340000
3328 SluXX	grams	525					980			1505	3465
990515 Steinernema feltiae	number		500000000				500000000	500000000		1500000000	3500000000
3293 Teppeki	grams										143
3367 Trium-G	grams		12640	9400				18016		40056	62904
3135 Trichodex (Trichoderma)	grams										18616
3251 Vertimec	ml	192								192	3252

WATER

21 Total irrigation	m3	205	245	302			302	259	515	1828	4972
23 Reused drainage water	m3	102	122	151			151	129	257	912	2482

ENERGY

1 Gas consumption	m3	11502	23025	18188			14774	4372	24279	96140	227526
2 Conversion factor		1	1	1			1	1	1		
3 Caloric value		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	Year total
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ENERGY (Continued)

4	Electricity from the grid (Total)	kWh	25589	72922	101102		104418	93130	65582	462743	583132
6	Green electricity from the grid	kWh	18936	52504	55606		71004	61466	44596	304112	384308
8	Returned electricity	kWh	37385	48704	10388		18572	13202	37807	166058	588093
80	Wood (in kg)	kg	140200	198500	216250		295000	241900	106500	1198350	1375250

LIGHTING

550023	HP-Na 600W 400V EVSA	Hour	22	111	171	163	153	95			
		Number	736	736	736	736	736	736			
		kWatt									

FERTILIZERS

513	Ammonium nitrate	kg	35,6	15	27		32,6	15		125,2	440
545	Calcium nitrate (nitrate o	kg									16,57
552	Copper sulphate (solid)	kg	0,09	0,036	0,071		0,089	0,036		0,322	1,126
640	Dolomit kalk	kg						39,16		39,16	153,2
376	Ferrous chelate HEEDTA 4 %	litres	5,75	2	4,5		6,25	2		20,5	72,25
638	Kalk	kg		473,48	164,5			513		1150,98	2466,542
516	Magnesium sulphate	kg	14,3	4,5	16,5		21,8	4,5		61,6	223,1
575	Manganese sulphate	kg	0,908	0,432	0,852		0,896	0,432		3,52	12,308
666	Micromax (7.5%CaO+12%Fe+37.5% SO3)	kg		5,61	2,35			6,704		14,664	32,08
420	NPK 12+6+20	kg		75,9	31,49			98,78		206,17	458,061
413	Phosphoric Acid 75%	litres	19	8	14,2		17,2	8		66,4	230,6
537	Potassium nitrate (13+0+45)	kg	117	46	97		122	46		428	1553
414	Salpetersyre 62%	litres	44	22	54,1		55,1	22		197,2	717,8
582	Sodium molybdenum	kg	0,027	0,011	0,016		0,021	0,011		0,086	0,295
941	Solubor DF 18	kg	0,136	0,063	0,103		0,113	0,063		0,478	1,65
596	Superphosphate	kg		36,11	14,1			36,66		86,87	185,364
604	Zinc sulphate (solid)	kg	0,266	0,115	0,21		0,246	0,115		0,952	3,312

ENVIRONMENTAL CLUSTERS

	Indoor crops										
4064	POT PLANTS 4	m2	1460	1460	1459	1440	1459	1460	1303		
4065	POT PLANTS 5	m2	2864	3069	2880	2880	3121	2926	2941		
4067	POT PLANTS 7	m2	2506	2194	2401	2420	2383	2344	2481		
4068	POT PLANTS 8	m2	6981	6823	6840	6840	6803	6854	6829		

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	Year total
Indoor crops											
4070	POT PLANTS REMAINDER	m2	6	14	100	100	100	296	320		
	Subtotal		13817	13560	13680	13680	13866	13880	13874		
Certified parental material											
661	MPS-ABC certif.parental mat. indoor	m2	12020	11911	11981	12000	12204	12220	12151		

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?

No

3904

What is the minimum depth of the groundwater on all your plot(s)?

>= 15 metres / >= 49,2 feet

3905

What is the lowest percentage of organic material of your soil on all your plots of this location?

1,5 - 3%

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?

85 till 95%

CO2

3953

Do you apply CO2?

No

Substrate

3957

Do you cultivate cut flowers on substrate?

No

OVERVIEW RECORDED DATA (Continued)

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GENERAL INFORMATION FORM

MPS-OEX

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

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

yes yes yes yes yes yes

CROP PROTECTION AGENTS

3176 Alette	grams			200					200
990673 Amblyseius / Neoseiulus californicus	number	100000	100000		200000	100000	50000		550000
990395 Amblyseius / Neoseiulus cucumeris	number								
992010 Atheta coriaria	number								
3847 Azatin EC	ml	240					150	135	525
3364 BioGlans	ml		2000						2000
3794 BotaniGard WP	grams								
3337 Flexity	ml						25	25	50
3279 Floramite	ml	80							80
3798 Geoxe 50 WG	grams	40		40	20	20	20		140
990675 Hypoaspis miles / Stratiolaelaps Scimitus	number		250000			500000			750000
3865 Mainspring	grams	16	60	119	59				254
3289 Milbeknock	ml		50	410	180			170	810
3277 Mospilan SG	grams	175	288	430				105	998
3315 Movento SC 100	ml	90	229	45	23	23	64		474
3785 NeemAzal T/S	ml		840	2350		1050			4240
3821 Nissorun 250 SC (liquid)	ml		51	266	108				425
3881 Pediment	grams	50	350						400
3321 Previcur Energy	ml							150	150
3320 Redusol	ml	180000	160000						340000
3328 Sluxx	grams			1960					1960
990515 Steinernema feltiae	number		500000000		500000000	500000000	500000000		2000000000
3293 Teppeki	grams			59	59	15	10		143
3367 Trium-G	grams	8440	14408						22848
3135 Trichodex (Trichoderma)	grams				4608		14008		18616
3251 Vertimec	ml	1800				1008	252		3060

WATER

21 Total irrigation	m3	519	633	663	489	429	411		3144
23 Reused drainage water	m3	260	316	331	244	214	205		1570

ENERGY

1 Gas consumption	m3	22440	19610	25953	20670	18764	23949		131386
2 Conversion factor		1	1	1	1	1	1		
3 Caloric value		1	1	1	1	1	1		

OVERVIEW RECORDED DATA (Continued)

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

4	Electricity from the grid (Total)	kWh	21209	20046	19927	19882	19683	19642	120389
6	Green electricity from the grid	kWh	13150	12629	13550	15110	12400	13357	80196
8	Returned electricity	kWh	59347	65310	84401	67605	63308	82064	422035
80	Wood (in kg)	kg	100750	76150					176900

LIGHTING

550023	HP-Na 600W 400V EVSA	Hour	1	1	1	1	1	1	
		Number	736	736	736	736	736	736	
		kWatt							

FERTILIZERS

513	Ammonium nitrate	kg	47,6	65	65	62,6	47,6	27	314,8
545	Calcium nitrate (nitrate o	kg	8,28			8,29			16,57
552	Copper sulphate (solid)	kg	0,125	0,161	0,161	0,161	0,125	0,071	0,804
640	Dolomit kalk	kg	51,84	27,64				34,56	114,04
376	Ferrous chelate HEEDTA 4 %	litres	8,25	10,25	10,25	10,25	8,25	4,5	51,75
638	Kalk	kg	139,26	247,53	386,6	94,64		447,532	1315,562
516	Magnesium sulphate	kg	26,3	30,8	30,8	30,8	26,3	16,5	161,5
575	Manganese sulphate	kg	1,328	1,76	1,76	1,76	1,328	0,852	8,788
666	Micromax (7.5%CaO+12%Fe+37.5% SO3)	kg	2,11	3,602	4,8	1,152		5,752	17,416
420	NPK 12+6+20	kg	36,44	48,958	65,01	23,04		78,443	251,891
413	Phosphoric Acid 75%	litres	25,2	33,2	33,2	33,2	25,2	14,2	164,2
537	Potassium nitrate (13+0+45)	kg	168	214	214	214	218	97	1125
414	Salpetersyre 62%	litres	96,1	98,1	98,1	78,1	76,1	74,1	520,6
582	Sodium molybdenum	kg	0,032	0,043	0,043	0,043	0,032	0,016	0,209
941	Solubor DF 18	kg	0,176	0,239	0,239	0,239	0,176	0,103	1,172
596	Superphosphate	kg	6,72	22,76	31,1			37,914	98,494
604	Zinc sulphate (solid)	kg	0,361	0,476	0,476	0,476	0,361	0,21	2,36

ENVIRONMENTAL CLUSTERS

	Indoor crops								
4064	POT PLANTS 4	m2	1360	1401	1432	1450	1460	1460	
4065	POT PLANTS 5	m2	2906	2842	2822	2760	2779	2895	
4067	POT PLANTS 7	m2	2823	2826	2820	2820	2734	2586	
4068	POT PLANTS 8	m2	6791	6811	6806	6850	6846	6192	

OVERVIEW RECORDED DATA (Continued)

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Code	Description	Unit	Period 5	Period 6	Period 7	Period 8	Period 9	Period 10	Subtotal
	Indoor crops								
4070	POT PLANTS REMAINDER	m2							
	Subtotal		13880	13880	13880	13880	13819	13134	
	Certified parental material								
661	MPS-ABC certif.parental mat. indoor	m2	11939	12194	12217	12170	12063	11294	