



Certificate

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

**Family Plants Aps
Slettensvej 261
DK-5270 ODENSE
Denmark
MPS-number: 804355**

Applicable to environmental clusters:

HERBS AS POTPLANT

POT PLANTS 2; POT PLANTS 5; POT PLANTS REMAINDER; VEGETABLE CROPS; POT PLANTS 4

Validity: **21-8-2024 valid up to and including 3-11-2024**

Total points: **98,4**

Qualification: **A**

Kind regards,
MPS-ECAS

Signature:

Date of issue:
21-8-2024

Drs. R. Landsmeer, Manager Operations

N.B.: This certificate is only valid for the period specified above.

P.O. Box 114
2678 ZJ De Lier
The Netherlands

QUALIFICATION AND PERIOD GRAPHS

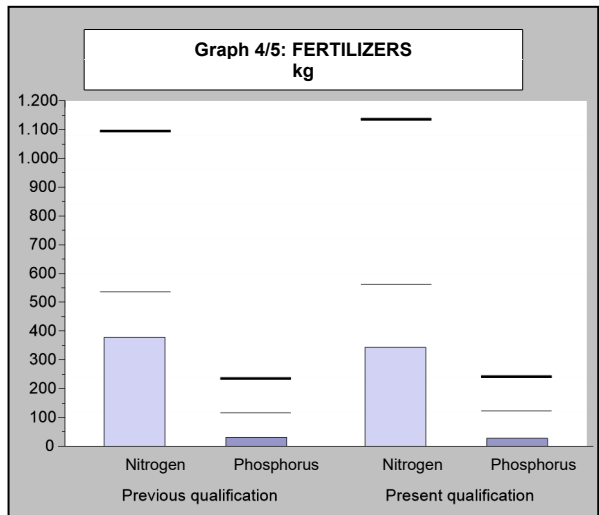
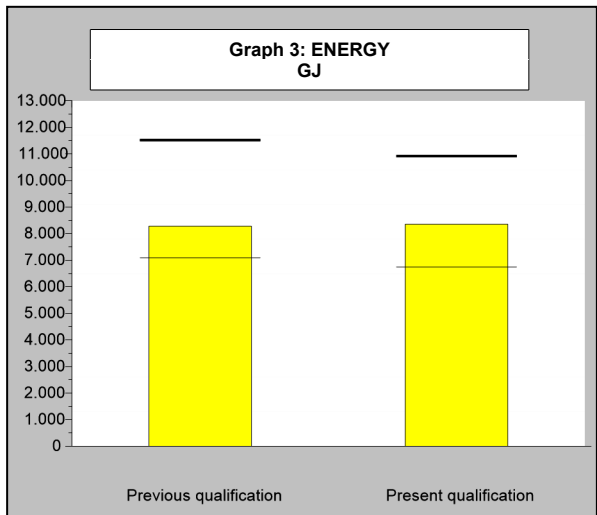
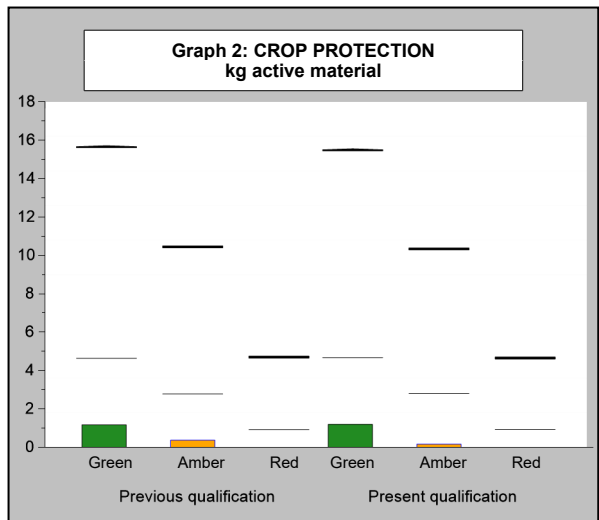
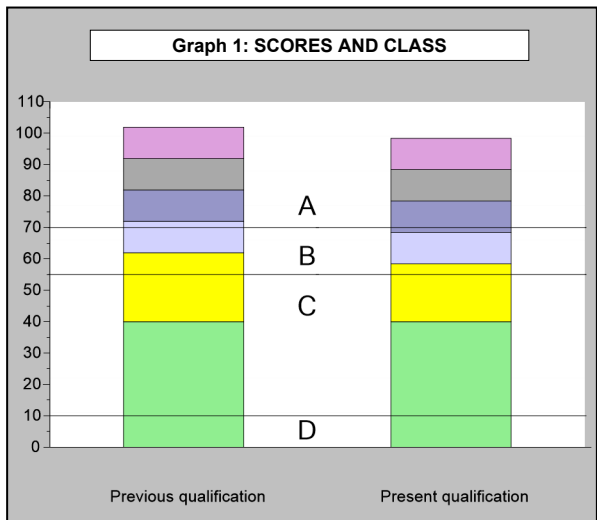
MPS company number: **804355/01**
 Company name: Family Plants Aps (total)

Valid: Period 8-2023 until Period 7-2024
 Version: 21-8-2024

Table 1: DATA QUALIFICATIONS

SUBJECT	Your Company standard		Your use	Your points	max. points	A+ standard	A+ score	Obtained
	Lower	Upper limit						
Crop protection	Green	4,7-15,5 kg	1,2	12	12			
	Amber	2,8-10,3 kg	0,2	16	16			
	Red	0,9-4,7 kg	0	12	12			
total				40	40	85 %	100 %	yes
Energy total		6748,3-10921,8 GJ	8360	18,4	30	75 %	61,3 %	no
Fertilizers	Nitrogen	562-1135,9 kg	344	10	10			
	Phosphorus	122,9-242 kg	28,1	10	10			
total				20	20	75 %	100 %	yes
Waste		0-130	130	10	10			
Water								
Certified parental material				10	10			
Total score (points)				98,4	110	90	98,4	yes
COMPANY QUALIFICATION				A				

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

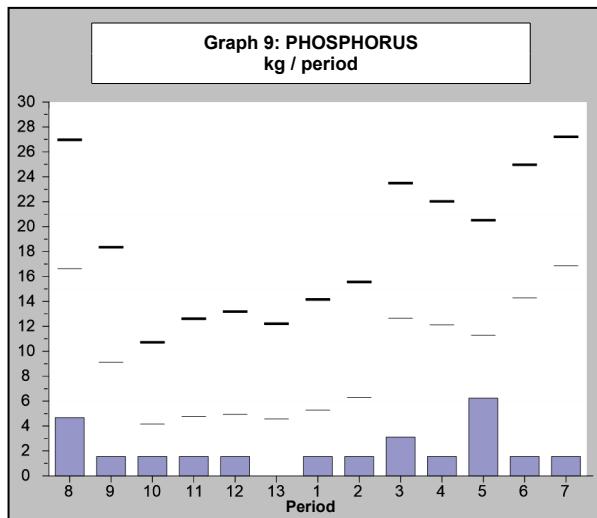
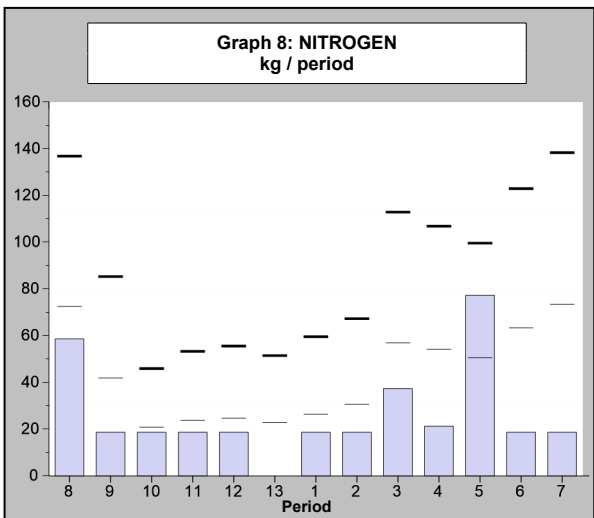
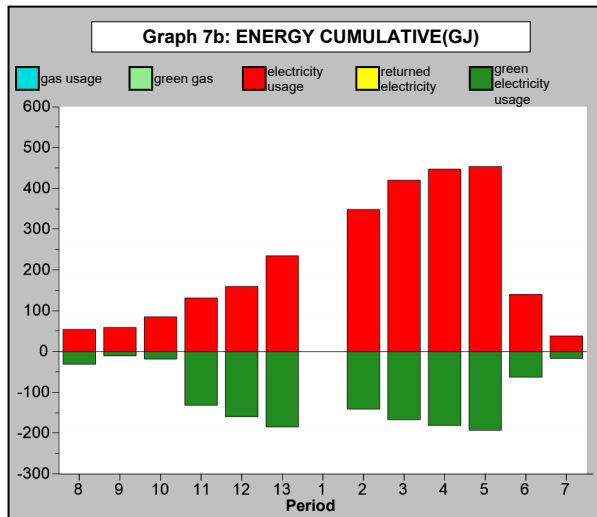
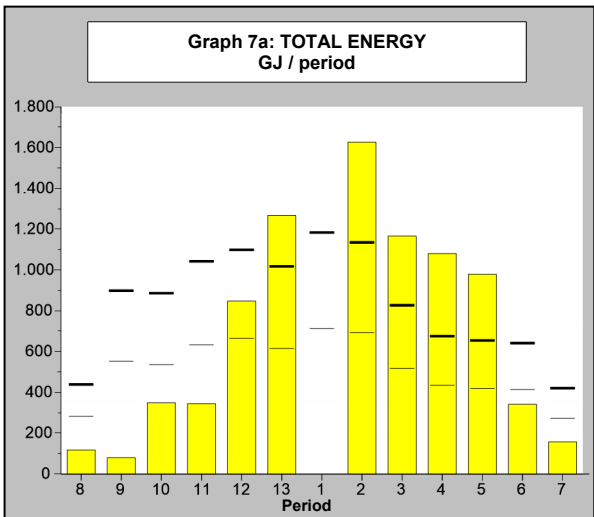
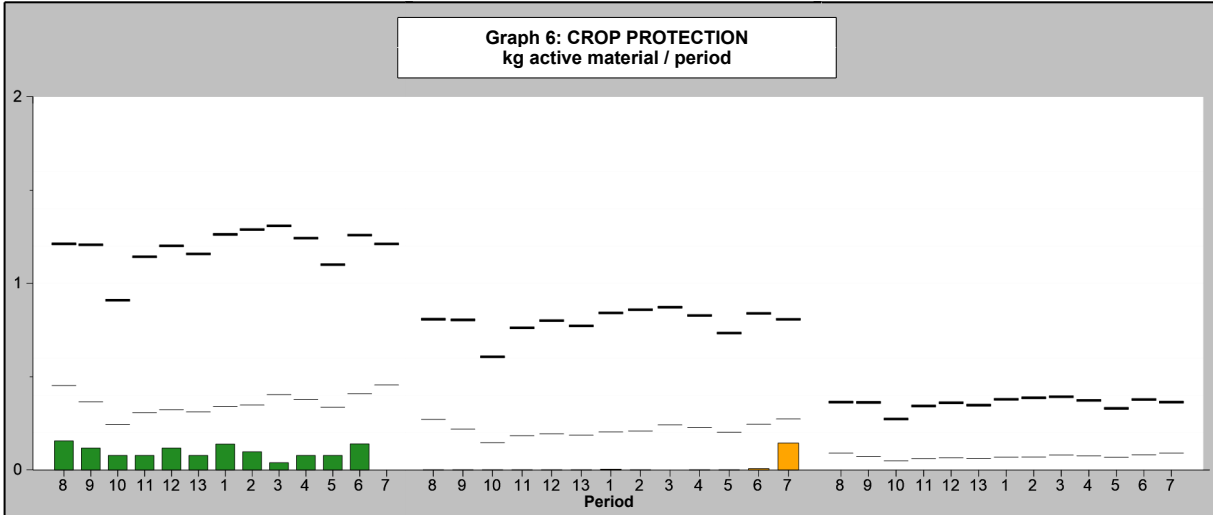


QUALIFICATION AND PERIOD GRAPHS

MPS company number: **804355/01**
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<-----> = Upperlimit <.....> = Lowerlimit



MPS-Overview Composition of Qualification

MPS company number: **804355/01**
 Company name: Family Plants Aps (total)

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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				4,7-15,5 kg	1,2 kg
	Amber				2,8-10,3 kg	0,2 kg
	Red				0,9-4,7 kg	0 kg
Energy		6271,9-10153,7 GJ		7,6 %	6748,3-10921,8 GJ	8360 GJ
Nitrogen (N)		517,3-1046,5 kg		8,5 %	562-1135,9 kg	344 kg
Phosphorus (P)		113,1-223,2 kg		8,4 %	122,9-242 kg	28,1 kg

Composition of points MPS environmentally certified parental material

Certified parental material	(Average) area	Your Points	Max points
Total cultivated area 1)	7046,1 m2		
Area certified parental material MPS-ABC	7046,2 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	8	9	10	11	12	13	1	2	3	4	5	6	7
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
Barclay Gallup Super 360	●	glyphosate		0,144	
Kompact 5C	●	chlormequat chloride	0,644		
	●	choline chloride	0,448		
Movento SC 100	●	spirotetramat	0,076		
Pirouette	●	paclobutrazol		0,008	
SiITAC SF	○	wetting/sticker agents other			
Teppeki	●	flonicamid	0,028		
Vertimec	●	abamectin		0,009	
Annual company use of active substance			1,196	0,161	0

OVERVIEW RECORDED DATA

MPS company number: **804355/01**

Company name: Family Plants Aps (total)

Valid: Period 8-2023 until Period 7-2024

Version: 21-8-2024

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											
992009	Adalia bipunctata	number	9500	2500						12000	15000
990705	Amblyseius / Neoseiulus swirskii	number	300000	200000	100000	450000	400000	250000	400000	2100000	3650000
990424	Aphidius colemani	number	300							300	1250
990688	Aphidius ervi	number	1500	5000	10000	10250	6500		3000	36250	41000
992050	Aphidius/Praon/Aphelinus/Ephedrus (BasilProtect)	number					26	21	30	77	92
990381	Aphidoletes aphidimyza	number	6000							6000	25000
3369	Barclay Gallup Super 360	ml							400	400	400
990383	Chrysoperla carnea	number	2500	2500						5000	5000
990386	Diglyphus isaea	number				500			2500	3000	5000
990385	Encarsia formosa	number	20000	70000	50000	97000	60000	30000	40000	367000	572000
990675	Hypoaspis miles / Stratiolaelaps Scimitus	number							125000	125000	250000
3276	Kompact 5C	ml	100	100	50	100	100	150		600	1400
990588	Macrolophus caliginosus	number		3500	5000	6000	8000	500	1000	24000	24000
3315	Movento SC 100	ml	330	200				225		755	755
990690	Orius majusculus	number	4000		6000	18000	4000	4000	2000	38000	98000
990391	Phytoseiulus persimilis	number									30000
3271	Pirouette	ml	140	140	70	140	150	225		865	2005
3834	SilTAC SF	ml		50						50	1060
3293	Teppeki	grams	56							56	56
3251	Vertimec	ml	200					320		520	520
WATER											
22	Drainage water disposed	m3		24	30	41	179	32	79	385	613
23	Reused drainage water	m3		55	93	140	313	224	102	927	1343
ENERGY											
4	Electricity from the grid (Total)	kWh		63367	76368	81338	82491	25473	6988	336025	467736
6	Green electricity from the grid	kWh		25648	30363	32922	35082	11399	3062	138476	235819
7	Residual heat usage	GJ		1632	1050	936	826	304	156	4904	8143
LIGHTING											
550001	HP-Hg 400W Conv.	Hour	222	145	53	27					
		Number	39	39	39	39					
		kWatt									

OVERVIEW RECORDED DATA (Continued)

MPS company number: **804355/01**

Valid: Period 8-2023 until Period 7-2024

Company name: Family Plants Aps (total)

Version: 21-8-2024

Code	Description	Unit	Period 1	Period 2	Period 3	Period 4	Period 5	Period 6	Period 7	Subtotal	Year total
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LIGHTING (Continued)

550001	HP-Hg 400W Conv.	Hour	120	62	49	132					
		Number	112	112	112	112					
		kWatt									
550012	HP-Na 600W 230V Conv.	Hour	230	292	361	290	106	25			
		Number	72	72	72	72	72	72			
		kWatt									
550012	HP-Na 600W 230V Conv.	Hour	270	234	323	213	52	73			
		Number	72	72	72	72	72	72			
		kWatt									
550012	HP-Na 600W 230V Conv.	Hour	270	241	178	195					
		Number	40	40	40	40					
		kWatt									
550023	HP-Na 600W 400V EVSA	Hour			524	205	205	205			
		Number			92	92	92	92			
		kWatt									

FERTILIZERS

513	Ammonium nitrate	kg	5	5	10	5	20	5	5	55	90
512	Ammonium phosphate	kg	6	6	12	6	24	6	6	66	108
543	Calcium Ammonium Nitrate 27+0+0 (+6%CaO+4%MgO)	kg	25	25	50	25	100	25	25	275	450
561	Ferrous chelate EDDHA 6%	kg	1	1	2	1	4	1	1	11	18
1028	Flocone 0.2+0.3+4.8	litres	0,5		0,65	0,5	0,5			2,15	5,15
935	Kalisalpeter 13+0+38 Multi-K GG	kg	35	35	70	35	140	35	35	385	630
932	KobberSupport 20 Kobberchelate	litres	0,1	0,1	0,2	0,1	0,4	0,1	0,1	1,1	1,8
570	Magnesium ammonium nitrate	kg	10	10	20	10	40	10	10	110	180
608	Manganese chelate	kg	0,25	0,25	0,5	0,25	1	0,25	0,25	2,75	4,5
453	Pioner Jernchlat 5% HEEDTA	litres	0,7	0,7	1,4	0,7	2,8	0,7	0,7	7,7	12,6
414	Salpetersyre 62%	litres	25	25	50	50	125	25	25	325	525
582	Sodium molybdenum	kg	0,1	0,1	0,2	0,1	0,4	0,1	0,1	1,1	1,8
677	Solubor 20.5%	kg	0,1	0,1	0,2	0,1	0,4	0,1	0,1	1,1	1,8
933	ZinkSupport 20	litres	0,05	0,05	0,1	0,05	0,2	0,05	0,05	0,55	0,9

ENVIRONMENTAL CLUSTERS

	Indoor crops										
4062	POT PLANTS 2	m2	1500	1446							

OVERVIEW RECORDED DATA (Continued)

MPS company number: **804355/01**

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Company name: Family Plants Aps (total)

Version: 21-8-2024

Code	Description	Unit	Period 1	Period 2	Period 3	Period 4	Period 5	Period 6	Period 7	Subtotal	Year total
Indoor crops											
4064	POT PLANTS 4	m2	1100	1089	771						
4065	POT PLANTS 5	m2	2000	2000	2000	2000	2000	2000	2000		
4070	POT PLANTS REMAINDER	m2	1779	1157							
4075	HERBS AS POTPLANT	m2	21	643	1818	2218	1868	1639			
4101	VEGETABLE CROPS	m2	14	521	3811	3954	3389	4761	6400		
	Subtotal		6414	6857	8400	8171	7257	8400	8400		
Certified parental material											
661	MPS-ABC certif.parental mat. indoor	m2	6414	6857	8400	8171	7257	8400	8400		

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?

> 10%

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?

Less than 85%

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?	Yes
3962	If yes, on what percentage of your greenhouse area?	10
3963	Do you have diffuse foil on your foil-greenhouse?	No
3965	Do you have diffuse screens on your greenhouse?	Yes
3966	If yes, on what percentage of your greenhouse area?	100
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

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FORM RECEIVED			yes	yes	yes	yes	yes	yes	
CROP PROTECTION AGENTS									
992009	Adalia bipunctata	number						3000	3000
990705	Amblyseius / Neoseiulus swirskii	number	200000	200000	100000	200000	400000	450000	1550000
990424	Aphidius colemani	number					200	750	950
990688	Aphidius ervi	number					1000	3750	4750
992050	Aphidius/Praon/Aphelinus/Ephedrus (BasilProtect)	number	7		2	4	2		15
990381	Aphidoletes aphidimyza	number					4000	15000	19000
3369	Barclay Gallup Super 360	ml							
990383	Chrysoperla carnea	number							
990386	Diglyphus isaea	number	1500				500		2000
990385	Encarsia formosa	number	10000	20000	10000	30000	80000	55000	205000
990675	Hypoaspis miles / Stratiolaelaps Scimitus	number					125000		125000
3276	Kompact 5C	ml	200	150	100	100	150	100	800
990588	Macrolophus caliginosus	number							
3315	Movento SC 100	ml							
990690	Orius majusculus	number	26000		2000	8000		24000	60000
990391	Phytoseiulus persimilis	number		30000					30000
3271	Pirouette	ml	290	220	140	140	210	140	1140
3834	SilTAC SF	ml	200	150	100	160	200	200	1010
3293	Teppeki	grams							
3251	Vertimec	ml							
WATER									
22	Drainage water disposed	m3	102	40	45		19	22	228
23	Reused drainage water	m3	221	50	57		58	30	416
ENERGY									
4	Electricity from the grid (Total)	kWh	9909	10723	15463	23916	29021	42679	131711
6	Green electricity from the grid	kWh	5615	1920	3325	23916	29021	33546	97343
7	Residual heat usage	GJ	108	36	324	396	975	1400	3239
LIGHTING									
550001	HP-Hg 400W Conv.	Hour				149	151		
		Number				112	112		
		kWatt							

OVERVIEW RECORDED DATA (Continued)

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LIGHTING (Continued)

550001	HP-Hg 400W Conv.	Hour							
		Number							
		kWatt							
550012	HP-Na 600W 230V Conv.	Hour	289	200	297	276	198		
		Number	72	72	72	72	72		
		kWatt							
550012	HP-Na 600W 230V Conv.	Hour		300	227	210	140		
		Number		72	72	72	72		
		kWatt							
550012	HP-Na 600W 230V Conv.	Hour				138	191		
		Number				40	40		
		kWatt							
550023	HP-Na 600W 400V EVSA	Hour							
		Number							
		kWatt							

FERTILIZERS

513	Ammonium nitrate	kg	15	5	5	5	5		35
512	Ammonium phosphate	kg	18	6	6	6	6		42
543	Calcium Ammonium Nitrate 27+0+0 (+6%CaO+4%MgO)	kg	75	25	25	25	25		175
561	Ferrous chelate EDDHA 6%	kg	3	1	1	1	1		7
1028	Flocone 0.2+0.3+4.8	litres				2	0,5	0,5	3
935	Kalisalpeter 13+0+38 Multi-K GG	kg	105	35	35	35	35		245
932	KobberSupport 20 Kobberchelate	litres	0,3	0,1	0,1	0,1	0,1		0,7
570	Magnesium ammonium nitrate	kg	30	10	10	10	10		70
608	Manganese chelate	kg	0,75	0,25	0,25	0,25	0,25		1,75
453	Pioner Jernchlats 5% HEEDTA	litres	2,1	0,7	0,7	0,7	0,7		4,9
414	Salpetersyre 62%	litres	100	25	25	25	25		200
582	Sodium molybdenum	kg	0,3	0,1	0,1	0,1	0,1		0,7
677	Solubor 20.5%	kg	0,3	0,1	0,1	0,1	0,1		0,7
933	ZinkSupport 20	litres	0,15	0,05	0,05	0,05	0,05		0,35

ENVIRONMENTAL CLUSTERS

		Indoor crops							
4062	POT PLANTS 2	m2	32	900	921	1500	1500	1446	

OVERVIEW RECORDED DATA (Continued)

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Code	Description	Unit	Period 8	Period 9	Period 10	Period 11	Period 12	Period 13	Subtotal
Indoor crops									
4064	POT PLANTS 4	m2			18	511	800	771	
4065	POT PLANTS 5	m2	2000	2000	2000	2000	2000	1929	
4070	POT PLANTS REMAINDER	m2	64	1800	1800	1800	1800	1736	
4075	HERBS AS POTPLANT	m2							
4101	VEGETABLE CROPS	m2	6250	2121					
	Subtotal		8346	6821	4739	5811	6100	5882	
Certified parental material									
661	MPS-ABC certif.parental mat. indoor	m2	8346	6821	4739	5811	6100	5882	