



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

Validity: **2-3-2024 valid up to and including 19-5-2024**

Total points: **93,2**

Qualification: **A**

Kind regards,
MPS-ECAS

Signature:

Date of issue:
2-3-2024

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 1-2023 until Period 13-2023
 Version: 2-3-2024

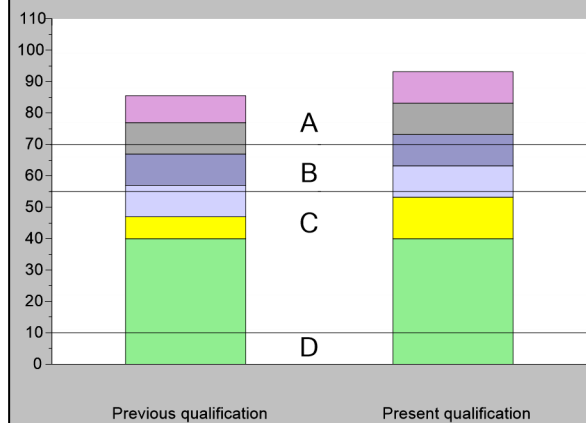
Table 1: DATA QUALIFICATIONS

SUBJECT		Your Company standard	Your use	Your points	max. points	A+ standard	A+ score	Obtained
		Lower- Upper limit						
Crop protection	Green	4.5-15,7 kg	1,1	12	12			
	Amber	2,7-10,5 kg	0,4	16	16			
	Red	0,9-4,7 kg	0	12	12			
total				40	40	85 %	100 %	yes
Energy total		7498,1-12210,7 GJ	10137,9	13,2	30	75 %	43,9 %	no
Fertilizers	Nitrogen	498,3-1031,7 kg	398,4	10	10			
	Phosphorus	107,1-225,4 kg	32,8	10	10			
total				20	20	75 %	100 %	yes
Waste		0-130	130	10	10			
Water								
Certified parental material				10	10			
Total score (points)				93,2	110	90	93,2	yes
COMPANY QUALIFICATION				A				

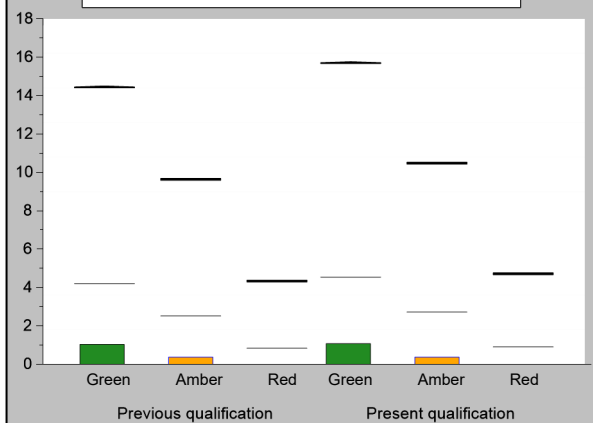
COMPANY USAGE PER 13 PERIODS

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

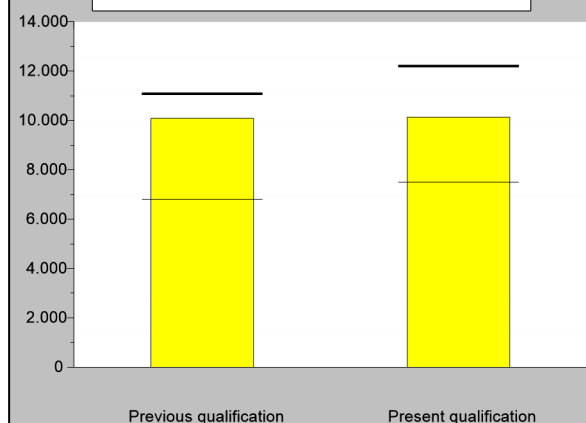
Graph 1: SCORES AND CLASS



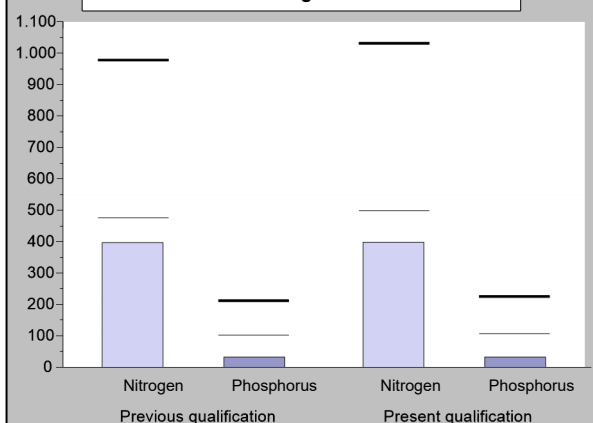
**Graph 2: CROP PROTECTION
kg active material**



**Graph 3: ENERGY
GJ**



**Graph 4/5: FERTILIZERS
kg**

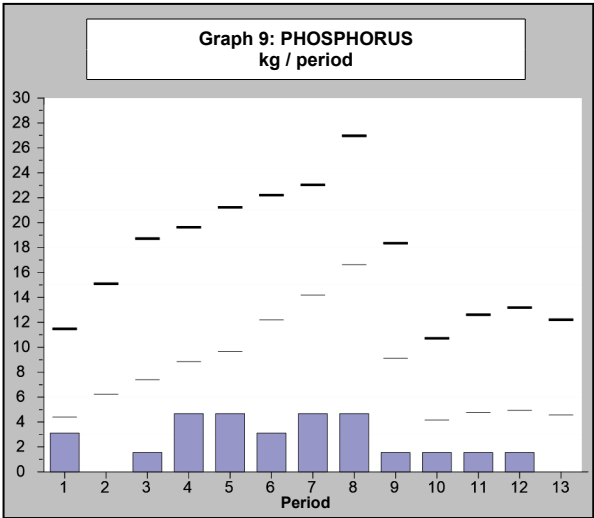
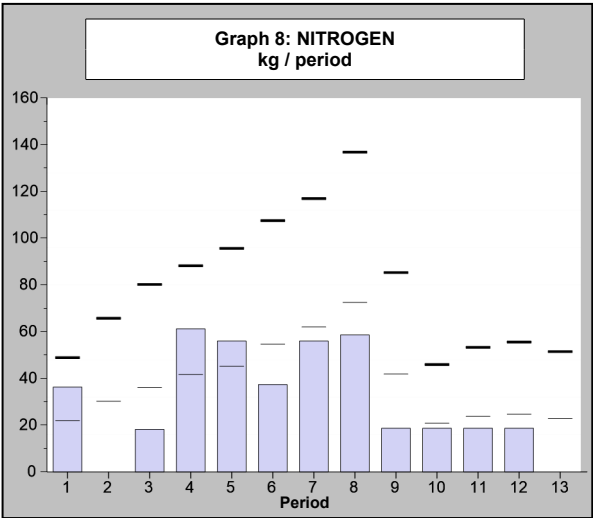
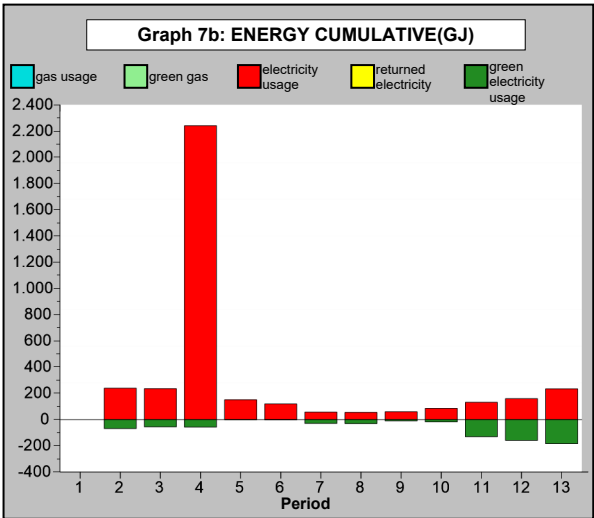
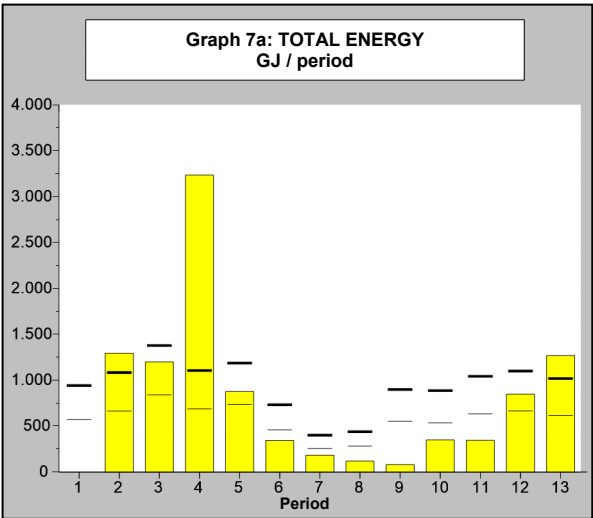
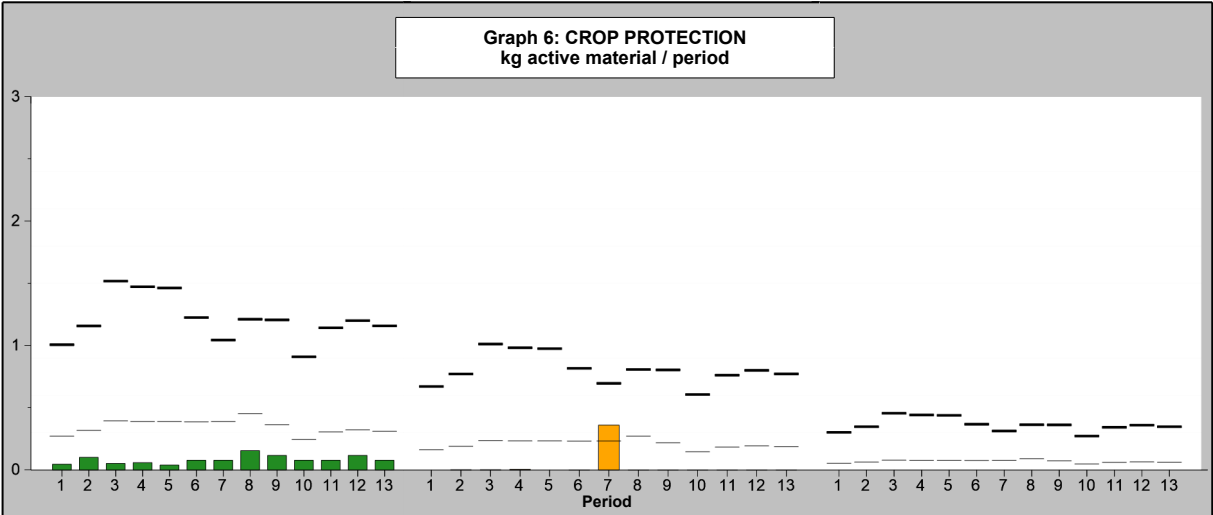


QUALIFICATION AND PERIOD GRAPHS

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

Valid: Period 1-2023 until Period 13-2023
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<-----> = Upperlimit <-----> = Lowerlimit



MPS-Overview Composition of Qualification

MPS company number: **804355/01**
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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				4,5-15,7 kg	1,1 kg
	Amber				2,7-10,5 kg	0,4 kg
	Red				0,9-4,7 kg	0 kg
Energy		6925,5-11279,5 GJ		8,3 %	7498,1-12210,7 GJ	10137,9 GJ
Nitrogen (N)		457,2-947,4 kg		8,9 %	498,3-1031,7 kg	398,4 kg
Phosphorus (P)		98,2-207,2 kg		8,8 %	107,1-225,4 kg	32,8 kg

Composition of points MPS environmentally certified parental material

Certified parental material	(Average) area	Your Points	Max points
Total cultivated area 1)	6843,3 m2		
Area certified parental material MPS-ABC	6843,3 m2	10	10
Area certified parental material GLOBALGAP	0 m2	0	5
Total points for Certified parental material		10	10

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

Overview Environmental zones

Period	1	2	3	4	5	6	7	8	9	10	11	12	13
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		0,360	
Kompact 5C	●	chlormequat chloride	0,584		
	●	choline chloride	0,406		
Pirouette	●	paclobutrazol		0,007	
SiitAC SF	○	wetting/sticker agents other			
Teppeki	●	flonicamid	0,085		
Vertimec	●	abamectin		0,007	
Annual company use of active substance			1,075	0,374	0

OVERVIEW RECORDED DATA

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

Valid: Period 1-2023 until Period 13-2023
Version: 2-3-2024

Code	Description	Unit	Period 8	Period 9	Period 10	Period 11	Period 12	Period 13	Subtotal	Year total
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FORM RECEIVED			yes	yes	yes	yes	yes	yes		
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CROP PROTECTION AGENTS

992009	Adalia bipunctata	number						3000	3000	3000
990705	Amblyseius / Neoseiulus swirskii	number	200000	200000	100000	200000	300000	450000	1450000	2300000
990424	Aphidius colemani	number					200	750	950	950
990688	Aphidius ervi	number					1000	3750	4750	4750
992050	Aphidius/Praon/Aphelinus/Ephedrus (BasilProtect)	number	7		2	4	2		15	176
990381	Aphidoletes aphidimyza	number					4000	15000	19000	19000
3369	Barclay Gallup Super 360	ml								1000
990383	Chrysoperla carnea	number								22500
990386	Diglyphus isaea	number	1500				500		2000	2000
990385	Encarsia formosa	number	10000	20000	10000	30000	60000	55000	185000	595000
990675	Hypoaspis miles / Stratiolaelaps Scimitus	number					125000		125000	125000
3276	Kompact 5C	ml	200	150	100	100	150	100	800	1270
990690	Orius majusculus	number	26000		2000	8000		24000	60000	214000
990391	Phytoseiulus persimilis	number		30000					30000	30000
3271	Pirouette	ml	290	220	140	140	210	140	1140	1815
3834	SiITAC SF	ml	200	150	100	160	200	200	1010	4320
3293	Teppeki	grams								170
3251	Vertimec	ml								412

22	Drainage water disposed	m3	102	40	45		19	22	228	1008
23	Reused drainage water	m3	221	50	57		58	30	416	2364

4	Electricity from the grid (Total)	kWh	9909	10723	15463	23916	29021	42679	131711	684945
6	Green electricity from the grid	kWh	5615	1920	3325	23916	29021	33546	97343	137026
7	Residual heat usage	GJ	108	36	324	396	975	1400	3239	8189

550001	HP-Hg 400W Conv.	Hour				149	151			
		Number				112	112			
		kWatt								
550001	HP-Hg 400W Conv.	Hour								
		Number								

OVERVIEW RECORDED DATA (Continued)

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

	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									
550022 HP-Na 600W 230V EVSA	Hour									
	Number									
	kWatt									

FERTILIZERS

513 Ammonium nitrate	kg		15	5	5	5	5		35	105
512 Ammonium phosphate	kg		18	6	6	6	6		42	126
543 Calcium Ammonium Nitrate 27+0+0 (+6%CaO+4%MgO)	kg		75	25	25	25	25		175	550
561 Ferrous chelate EDDHA 6%	kg		3	1	1	1	1		7	21
1028 Flocone 0.2+0.3+4.8	litres					2	0,5	0,5	3	16,8
935 Kalisalpeter 13+0+38 Multi-K GG	kg		105	35	35	35	35		245	735
932 KobberSupport 20 Kobberchelate	litres		0,3	0,1	0,1	0,1	0,1		0,7	2,1
570 Magnesium ammonium nitrate	kg		30	10	10	10	10		70	210
608 Manganese chelate	kg		0,75	0,25	0,25	0,25	0,25		1,75	5,25
453 Pioneer Jernchlat 5% HEEDTA	litres		2,1	0,7	0,7	0,7	0,7		4,9	14,7
414 Salpetersyre 62%	litres		100	25	25	25	25		200	520
582 Sodium molybdenum	kg		0,3	0,1	0,1	0,1	0,1		0,7	2,1
677 Solubor 20.5%	kg		0,3	0,1	0,1	0,1	0,1		0,7	2,1
933 ZinkSupport 20	litres		0,15	0,05	0,05	0,05	0,05		0,35	1,05

ENVIRONMENTAL CLUSTERS

	Indoor crops									
4062 POT PLANTS 2	m2		32	900	921	1500	1500	1446		
4064 POT PLANTS 4	m2				18	511	800	771		
4065 POT PLANTS 5	m2		2000	2000	2000	2000	2000	1929		

OVERVIEW RECORDED DATA (Continued)

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

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	yes	
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CROP PROTECTION AGENTS

992009	Adalia bipunctata	number								
990705	Amblyseius / Neoseiulus swirskii	number			150000	100000	100000	200000	300000	850000
990424	Aphidius colemani	number								
990688	Aphidius ervi	number								
992050	Aphidius/Praon/Aphelinus/Ephedrus (BasilProtect)	number	16	27	20	25	24	19	30	161
990381	Aphidoletes aphidimyza	number								
3369	Barclay Gallup Super 360	ml							1000	1000
990383	Chrysoperla carnea	number	2000	5000	6500	7000	2000			22500
990386	Diglyphus isaea	number								
990385	Encarsia formosa	number	50000	20000	90000	90000	60000	50000	50000	410000
990675	Hypoaspis miles / Stratiolaelaps Scimitus	number								
3276	Kompact 5C	ml	20	100	50	50	50	100	100	470
990690	Orius majusculus	number	16000	30000	38000	26000	16000	18000	10000	154000
990391	Phytoseiulus persimilis	number								
3271	Pirouette	ml	30	140	70	80	70	145	140	675
3834	SilTAC SF	ml	1160	320	300	550	600	270	110	3310
3293	Teppeki	grams	60	45	25	40				170
3251	Vertimec	ml		100	112	200				412

22	Drainage water disposed	m3		31	71	1	97	104	476	780
23	Reused drainage water	m3			105	431	140	353	919	1948

4	Electricity from the grid (Total)	kWh		43525	42761	407567	27429	21646	10306	553234
6	Green electricity from the grid	kWh		12579	10177	10597	329	498	5503	39683
7	Residual heat usage	GJ		1292	1172	1208	836	262	180	4950

550001	HP-Hg 400W Conv.	Hour		590	590	30			30	
		Number		112	112	112			112	
		kWatt								
550001	HP-Hg 400W Conv.	Hour				58			58	
		Number				39			39	

OVERVIEW RECORDED DATA (Continued)

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LIGHTING (Continued)

	kWatt									
550012 HP-Na 600W 230V Conv.	Hour	265	435	251	192	176			192	
	Number	72	72	72	72	72			72	
	kWatt									
550012 HP-Na 600W 230V Conv.	Hour	263	497	204	186	110			186	
	Number	72	72	72	72	72			72	
	kWatt									
550012 HP-Na 600W 230V Conv.	Hour	235	235	126	114	298			114	
	Number	92	92	92	92	92			92	
	kWatt									
550022 HP-Na 600W 230V EVSA	Hour		340	93	8				8	
	Number		80	80	80				80	
	kWatt									

FERTILIZERS

513 Ammonium nitrate	kg	10		5	15	15	10	15	70
512 Ammonium phosphate	kg	12		6	18	18	12	18	84
543 Calcium Ammonium Nitrate 27+0+0 (+6%CaO+4%MgO)	kg	50		25	100	75	50	75	375
561 Ferrous chelate EDDHA 6%	kg	2		1	3	3	2	3	14
1028 Flocone 0.2+0.3+4.8	litres		1,5	2	4,6	4	1,6	0,1	13,8
935 Kalisalpeter 13+0+38 Multi-K GG	kg	70		35	105	105	70	105	490
932 KobberSupport 20 Kobberchelate	litres	0,2		0,1	0,3	0,3	0,2	0,3	1,4
570 Magnesium ammonium nitrate	kg	20		10	30	30	20	30	140
608 Manganese chelate	kg	0,5		0,25	0,75	0,75	0,5	0,75	3,5
453 Pioneer Jernchlats 5% HEEDTA	litres	1,4		0,7	2,1	2,1	1,4	2,1	9,8
414 Salpetersyre 62%	litres	40		20	60	75	50	75	320
582 Sodium molybdenum	kg	0,2		0,1	0,3	0,3	0,2	0,3	1,4
677 Solubor 20.5%	kg	0,2		0,1	0,3	0,3	0,2	0,3	1,4
933 ZinkSupport 20	litres	0,1		0,05	0,15	0,15	0,1	0,15	0,7

ENVIRONMENTAL CLUSTERS

	Indoor crops								
4062 POT PLANTS 2	m2	1500	1479	879	289				
4064 POT PLANTS 4	m2	782	332	1157					
4065 POT PLANTS 5	m2	2000	2000	2000	2000	2000	2000	2000	

OVERVIEW RECORDED DATA (Continued)

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Indoor crops										
4070	POT PLANTS REMAINDER	m2	829	1614	2004	2111	2346	868		
4075	HERBS AS POTPLANT	m2	148	150	1529	2300	2261	1157		
4101	VEGETABLE CROPS	m2	18	500	543	1700	1771	3754	5243	
	Subtotal		5277	6075	8111	8400	8379	7779	7243	
Certified parental material										
661	MPS-ABC certif.parental mat. indoor	m2	5277	6075	8111	8400	8379	7779	7243	