



# Certificate

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

**Gartneriet Broløkke  
Brogårdsvej 66  
5250 ODENSE  
Denmark  
MPS-number: 800519**

Applicable to environmental clusters:

HERBS AS POTPLANT; HERBACEOUS PERENNIALS; POT PLANTS REMAIN. par-mat  
POT PLANTS 6; POT PLANTS REMAINDER; HERB. PERENNIALS Container; POTPLANTS outdoors

Validity: **12-8-2024 valid up to and including 3-11-2024**

Total points: **98,1**

Qualification: **A**

Kind regards,  
MPS-ECAS

Signature:

Date of issue:  
23-7-2024

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

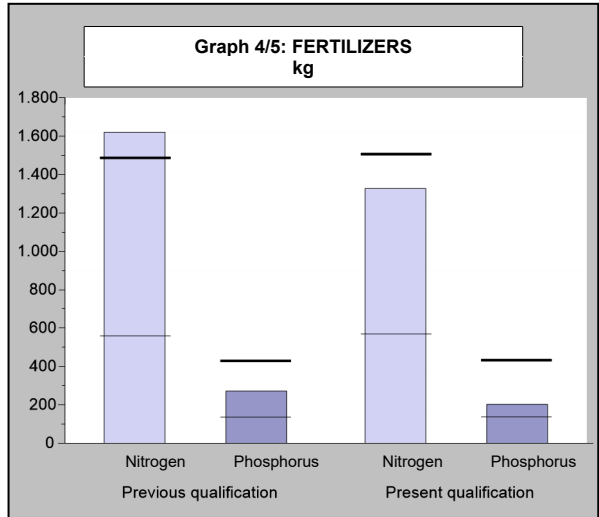
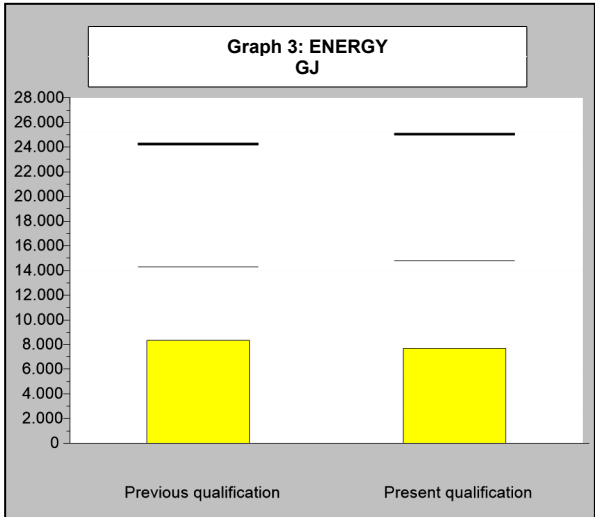
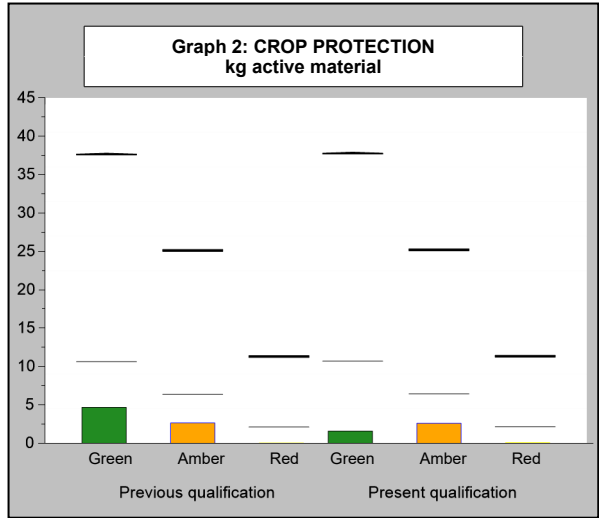
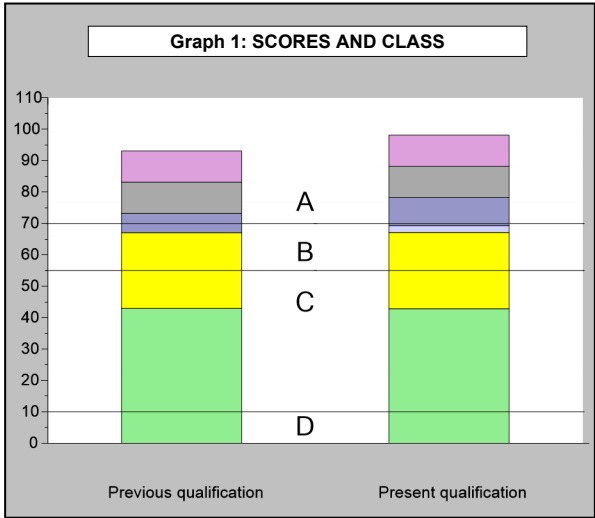
MPS company number: **800519/01**  
 Company name: Gartneriet Broløkke (total)

Valid: Period 8-2023 until Period 7-2024  
 Version: 23-7-2024

**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	10,7-37,8 kg	1,6	<b>12,9</b>	12,9			
	Amber	6,4-25,2 kg	2,6	<b>17,1</b>	17,1			
	Red	2,1-11,3 kg	0,1	<b>12,9</b>	12,9			
total				<b>42,9</b>	42,9	85 %	100 %	yes
Energy total		14801,8-25055,8 GJ	7689,4	<b>24,3</b>	24,3	75 %	100 %	yes
Fertilizers	Nitrogen	570,1-1506,9 kg	1327,9	<b>2,2</b>	11,4			
	Phosphorus	137,7-433,1 kg	203	<b>8,9</b>	11,4			
total				<b>11,1</b>	22,9	75 %	48,5 %	no
Waste		0-130	130	<b>10</b>	10			
Water								
Certified parental material				<b>9,9</b>	10			
Total score (points)				<b>98,1</b>	110	90	98,1	yes
COMPANY QUALIFICATION				<b>A</b>				

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

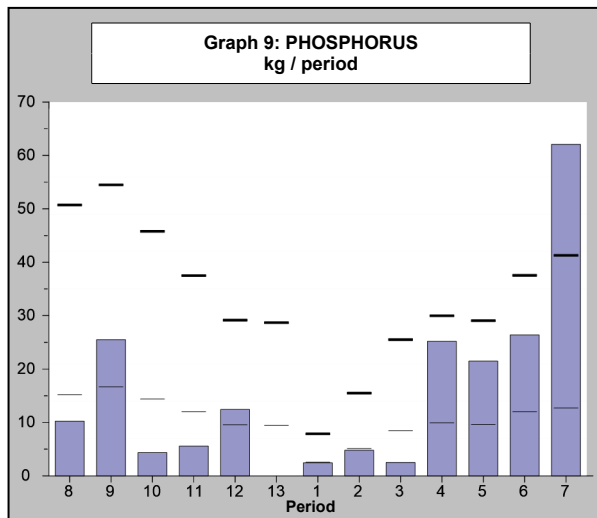
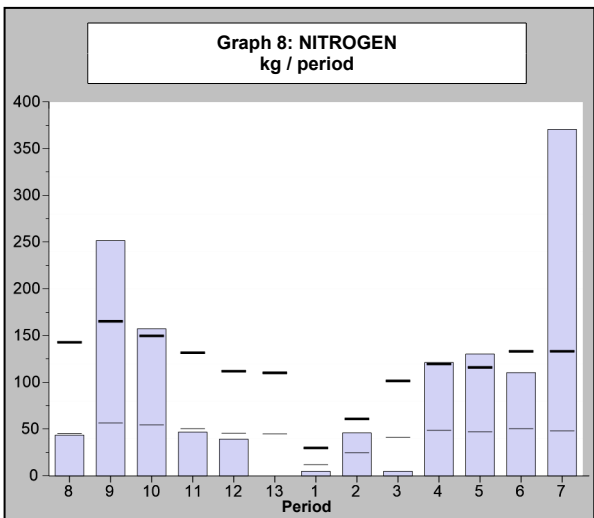
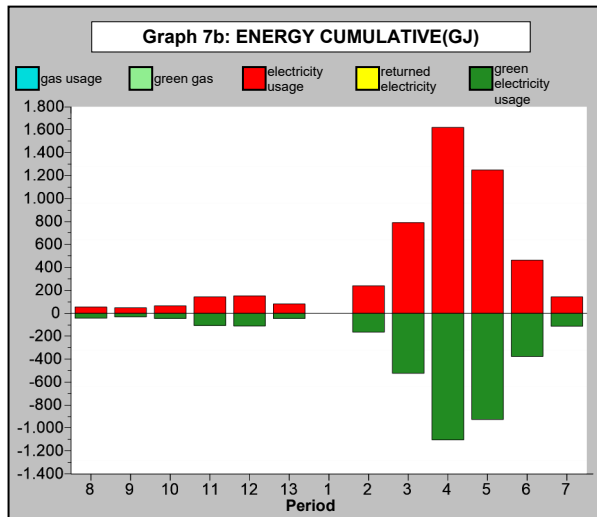
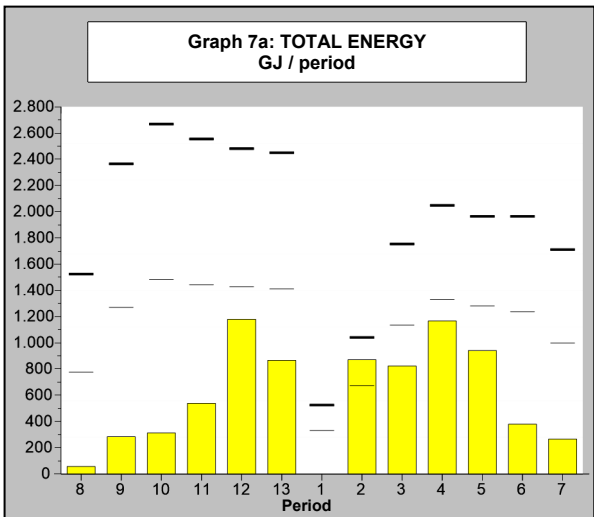
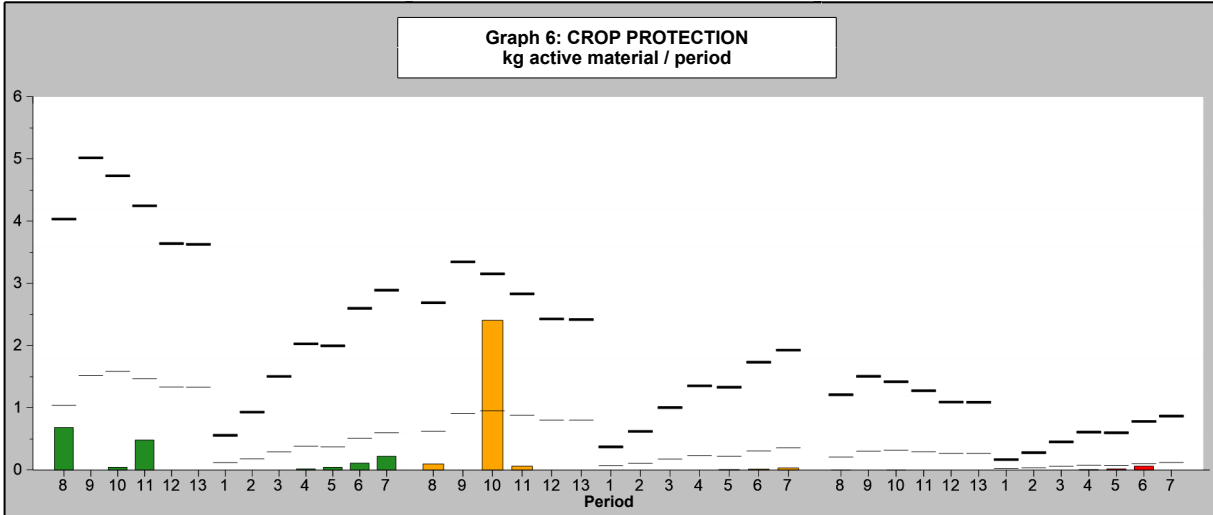


# QUALIFICATION AND PERIOD GRAPHS

MPS company number: **800519/01**  
 Company name: Gartneriet Broløkke (total)

Valid: Period 8-2023 until Period 7-2024  
 Version: 23-7-2024

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



# MPS-Overview Composition of Qualification

MPS company number: **800519/01**  
 Company name: Gartneriet Broløkke (total)

Valid: Period 8-2023 until Period 7-2024  
 Version: 23-7-2024

## 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				10,7-37,8 kg	1,6 kg
	Amber				6,4-25,2 kg	2,6 kg
	Red				2,1-11,3 kg	0,1 kg
Energy		11762-20095,6 GJ		24,7 %	14801,8-25055,8 GJ	7689,4 GJ
Nitrogen (N)		463,5-1250,3 kg		20,5 %	570,1-1506,9 kg	1327,9 kg
Phosphorus (P)		116,7-369,5 kg		17,2 %	137,7-433,1 kg	203 kg

## Composition of points MPS environmentally certified parental material

Certified parental material	(Average) area	Your Points	Max points
Total cultivated area 1)	14679,8 m2		
Area certified parental material MPS-ABC	14513,6 m2	9,9	10
Area certified parental material GLOBALGAP	0 m2	0	5
Total points for Certified parental material		9,9	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 6	Zone 6	Zone 6	Zone 6	Zone 6	Zone 6	Zone 6	Zone 6	Zone 6	Zone 6	Zone 6	Zone 6	Zone 6

## Company usage of MPS-MIND

Pesticide	Indicator color	active ingredient	Annual company use of active substance		
			Green	Amber	Red
BotaniGard WP	○	beauveria bassiana			
Caryx	●	mepiquat chloride	1,510		
	●	metaconazole		0,216	
Elasto G5	○	wetting/sticker agents other			
Fiba-Zorb (liquid)	○	wetting/sticker agents other			
Floramite	●	bifenazate	0,062		
Gnatrol SC	○	bacillus thuringiensis			
Pirouette	●	paclobutrazol			0,090
Polygrøn X	○	wetting/sticker agents other			
Redusol	○	shadingmaterial/ coating			
Roundup Bio (48-16)	●	glyphosate		2,400	
SiiTAC SF	○	wetting/sticker agents other			
Teppeki	●	flonicamid	0,026		
Turex WP	○	bacillus thuringiensis			
<b>Annual company use of active substance</b>			<b>1,598</b>	<b>2,616</b>	<b>0,090</b>

# OVERVIEW RECORDED DATA

MPS company number: **800519/01**

Company name: Gartneriet Broløkke (total)

Valid: Period 8-2023 until Period 7-2024

Version: 23-7-2024

Code	Description	Unit	Period 1	Period 2	Period 3	Period 4	Period 5	Period 6	Period 7	Subtotal	Year total
<b>FORM RECEIVED</b>			yes	yes	yes	yes	yes	yes	yes		

## CROP PROTECTION AGENTS

3794	BotaniGard WP	grams									1500
3352	Caryx	ml					210	480	1050	1740	7190
3305	Elasto G5	ml				6000	4000	11000	1050	22050	31050
3348	Fiba-Zorb (liquid)	ml	2500	2400						4900	9800
3279	Floramite	ml									260
3366	Gnatrol SC	ml									60000
3271	Pirouette	ml				1800	4350	15600		21750	22450
3204	Polygrøn X	ml									15000
3320	Redusol	ml									140000
3044	Roundup Bio (48-16)	ml									8000
3834	SilTAC SF	ml									1000
3293	Teppeki	grams				34		17		51	51
3368	Turex WP	grams									1000

## WATER

21	Total irrigation	m3									17151
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## ENERGY

4	Electricity from the grid (Total)	kWh		43716	143891	294828	227269	84280	26092	820076	919833
6	Green electricity from the grid	kWh		29727	94968	200483	168179	68267	20352	581976	650907
7	Residual heat usage	GJ		914	637	745	709	335	270	3610	7138

## LIGHTING

550026	HP-Na 1000W 400V EVSA	Hour	1	1	1	1	1	1	1		
		Number									
		kWatt	26441	131495	282247	214826	72769	14873			

## FERTILIZERS

1067	Acadian Oplosning af Tangekstrakt 0+0+4.2 (liquid)	litres									5010
513	Ammonium nitrate	kg		25		75	125	100		325	450
303	Ammonium sulphate	litres				25				25	25
519	Calcium chloride 80%/85%	kg		25		25	50	50		150	225
545	Calcium nitrate (nitrate o	kg		50		100	100	50		300	400
316	Ferrous chelate DTPA 3%	litres		20		20	40	40		120	180

# OVERVIEW RECORDED DATA (Continued)

MPS company number: **800519/01**

Company name: **Gartneriet Broløkke (total)**

Valid: Period 8-2023 until Period 7-2024

Version: 23-7-2024

Code	Description	Unit	Period 1	Period 2	Period 3	Period 4	Period 5	Period 6	Period 7	Subtotal	Year total
<b>FERTILIZERS (Continued)</b>											
526	Ferrous chelate DTPA 6%	kg				25	25	5		55	62
935	Kalisalpeter 13+0+38 Multi-K GG	kg		150		450	450	350	300	1700	2150
647	Kaliumsulfat (44% K2O)	kg		25		125	25	50		225	300
638	Kalk	kg	225	441	229,5	661,5	423	873	441	3294	3735
932	KobberSupport 20 Kobberchelate	litres		10		10	10	20		50	70
967	Lebosol-Calcium 16.7%	litres						20		20	20
1076	Ligoplex Ca	litres					10			10	10
516	Magnesium sulphate	kg		125		225	250	250		850	1100
903	Manganchelat 3	litres		20			20	20		60	72
666	Micromax (7.5%CaO+12%Fe+37.5% SO3)	kg	2,5	4,9	2,55	7,35	4,7	9,7	4,9	36,6	41,5
580	Mono-ammonium phosphate	kg				25	25	25		75	125
581	Mono-potassium phosphate	kg				25	25	25		75	125
942	Multicote 15+3+12+Mg+mikro	kg							1050	1050	1050
444	NPK 14+7+15	kg	35	68,6	35,7	102,9	65,8	135,8	68,6	512,4	581
412	Phosphorsyre 75%	litres				25	20	20		65	90
907	Pioner Basis Brun 14+2+23+Mg+Mikro	kg							1200	1200	2250
414	Salpetersyre 62%	litres									2520
939	Saltpoletter	kg				200				200	200
582	Sodium molybdenum	kg					1	1		2	6,5
933	ZinkSupport 20	litres		20						20	20

## ENVIRONMENTAL CLUSTERS

Indoor crops											
4058	HERBACEOUS PERENNIALS	m2						536	3000		
4066	POT PLANTS 6	m2									
4070	POT PLANTS REMAINDER	m2	300	300	1011	1600	1600	1600	1600		
4075	HERBS AS POTPLANT	m2	1650	3807	6203	8854	9122	8586	6122		
5070	POT PLANTS REMAIN. par-mat	m2	500	500	500	268					
	Subtotal		2450	4607	7713	10722	10722	10722	10722		
Outdoor crops											
4044	POTPLANTS outdoors	m2	500	500	500	500	500	4625	8250		
4114	HERB. PERENNIALS Container	m2						1500	2250		
	Subtotal		500	500	500	500	500	6125	10500		

# OVERVIEW RECORDED DATA (Continued)

MPS company number: **800519/01**

Valid: Period 8-2023 until Period 7-2024

Company name: Gartneriet Broløkke (total)

Version: 23-7-2024

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	2450	4607	7713	10722	10722	10722	10722		
663	MPS-ABC certif.parental mat. outdoor	m2	500	500	500	500	500	6125	10500		

## GENERAL INFORMATION FORM

### MPS-Mind

#### Surface water

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

#### Cover

3910 Does the surface of protected cultivation exceed 95% of this location? no

3901 What is the percentage of protected cultivation for this location (protected surface/total recorded surface for location)? 0 - 25% covered crops

3909 When a plot used for outdoor crops is close to surface water, is the plot separated from the water by a wind-break or a crop free zone of at least three metres yes

#### Slope

3902 What is the maximum slope of a plot on this location? 3 - 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? No

3904 What is the minimum depth of the groundwater on all your plot(s)? 3 - 15 metres / 9,8 - 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? 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

## OVERVIEW RECORDED DATA (Continued)

MPS company number: 800519/01

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### GENERAL INFORMATION FORM

#### MPS-OEX

##### 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? Yes

3966 If yes, on what percentage of your greenhouse area? 38

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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Code	Description	Unit	Period 8	Period 9	Period 10	Period 11	Period 12	Period 13	Subtotal
<b>FORM RECEIVED</b>			yes	yes	yes	yes	yes	yes	
<b>CROP PROTECTION AGENTS</b>									
3794	BotaniGard WP	grams		750		750			1500
3352	Caryx	ml	3250		200	2000			5450
3305	Elasto G5	ml	3150		850	5000			9000
3348	Fiba-Zorb (liquid)	ml	4900						4900
3279	Floramite	ml				260			260
3366	Gnatrol SC	ml		30000	30000				60000
3271	Pirouette	ml	400		300				700
3204	Polygrøn X	ml			10000	5000			15000
3320	Redusol	ml		140000					140000
3044	Roundup Bio (48-16)	ml			8000				8000
3834	SilTAC SF	ml		1000					1000
3293	Teppeki	grams							
3368	Turex WP	grams	500			500			1000
<b>WATER</b>									
21	Total irrigation	m3						17151	17151
<b>ENERGY</b>									
4	Electricity from the grid (Total)	kWh	10131	8943	11954	26040	27765	14924	99757
6	Green electricity from the grid	kWh	7700	5634	8128	19270	19991	8208	68931
7	Residual heat usage	GJ	50	306	335	576	1307	954	3528
<b>LIGHTING</b>									
550026	HP-Na 1000W 400V EVSA	Hour Number	1	1	1	1	1	1	
		kWatt	912	805	1435	16072	16207	3789	
<b>FERTILIZERS</b>									
1067	Acadian Oplosning af Tangekstrakt 0+0+4.2 (liquid)	litres		10	5000				5010
513	Ammonium nitrate	kg		50		50	25		125
303	Ammonium sulphate	litres							
519	Calcium chloride 80%/85%	kg		25		25	25		75
545	Calcium nitrate (nitrate o	kg				50	50		100
316	Ferrous chelate DTPA 3%	litres		20		20	20		60

# OVERVIEW RECORDED DATA (Continued)

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Code	Description	Unit	Period 8	Period 9	Period 10	Period 11	Period 12	Period 13	Subtotal
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## FERTILIZERS (Continued)

526	Ferrous chelate DTPA 6%	kg			2		5		7
935	Kalisalpeter 13+0+38 Multi-K GG	kg		150		150	150		450
647	Kaliumsulfat (44% K2O)	kg		25		25	25		75
638	Kalk	kg	441						441
932	KobberSupport 20 Kobberchelate	litres		10		10			20
967	Lebosol-Calcium 16.7%	litres							
1076	Ligoplex Ca	litres							
516	Magnesium sulphate	kg				125	125		250
903	Manganchelat 3	litres			12				12
666	Micromax (7.5%CaO+12%Fe+37.5% SO3)	kg	4,9						4,9
580	Mono-ammonium phosphate	kg		25			25		50
581	Mono-potassium phosphate	kg		25			25		50
942	Multicote 15+3+12+Mg+mikro	kg							
444	NPK 14+7+15	kg	68,6						68,6
412	Phosporsyre 75%	litres				25			25
907	Pioner Basis Brun 14+2+23+Mg+Mikro	kg	250	600	200				1050
414	Salpetersyre 62%	litres		1250	1250	20			2520
939	Saltpoletter	kg							
582	Sodium molybdenum	kg	1	2	1	0,5			4,5
933	ZinkSupport 20	litres							

## ENVIRONMENTAL CLUSTERS

Indoor crops									
4058	HERBACEOUS PERENNIALS	m2	3200	2236	500	500	179		
4066	POT PLANTS 6	m2	2089	5214	6500	6500	6500	6500	
4070	POT PLANTS REMAINDER	m2	500	1393	3000	3000	3000	2975	
4075	HERBS AS POTPLANT	m2	2500	1607					
5070	POT PLANTS REMAIN. par-mat	m2						36	
	Subtotal		8289	10450	10000	10000	9679	9511	
Outdoor crops									
4044	POTPLANTS outdoors	m2	15000	13214	8393	4500	1200	1175	
4114	HERB. PERENNIALS Container	m2	5000	3929	2000	1714			
	Subtotal		20000	17143	10393	6214	1200	1175	

# OVERVIEW RECORDED DATA (Continued)

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	Certified parental material								
661	MPS-ABC certif.parental mat. indoor	m2	8289	10271	9500	9500	9179	9029	
663	MPS-ABC certif.parental mat. outdoor	m2	20000	17143	10393	6214	1200	1175	