



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:

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

Validity: **28-5-2024 valid up to and including 11-8-2024**

Total points: **93,5**

Qualification: **A**

Kind regards,
MPS-ECAS

Signature:

Date of issue:
28-5-2024

Drs. R. Landsmeer, Manager Operations

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

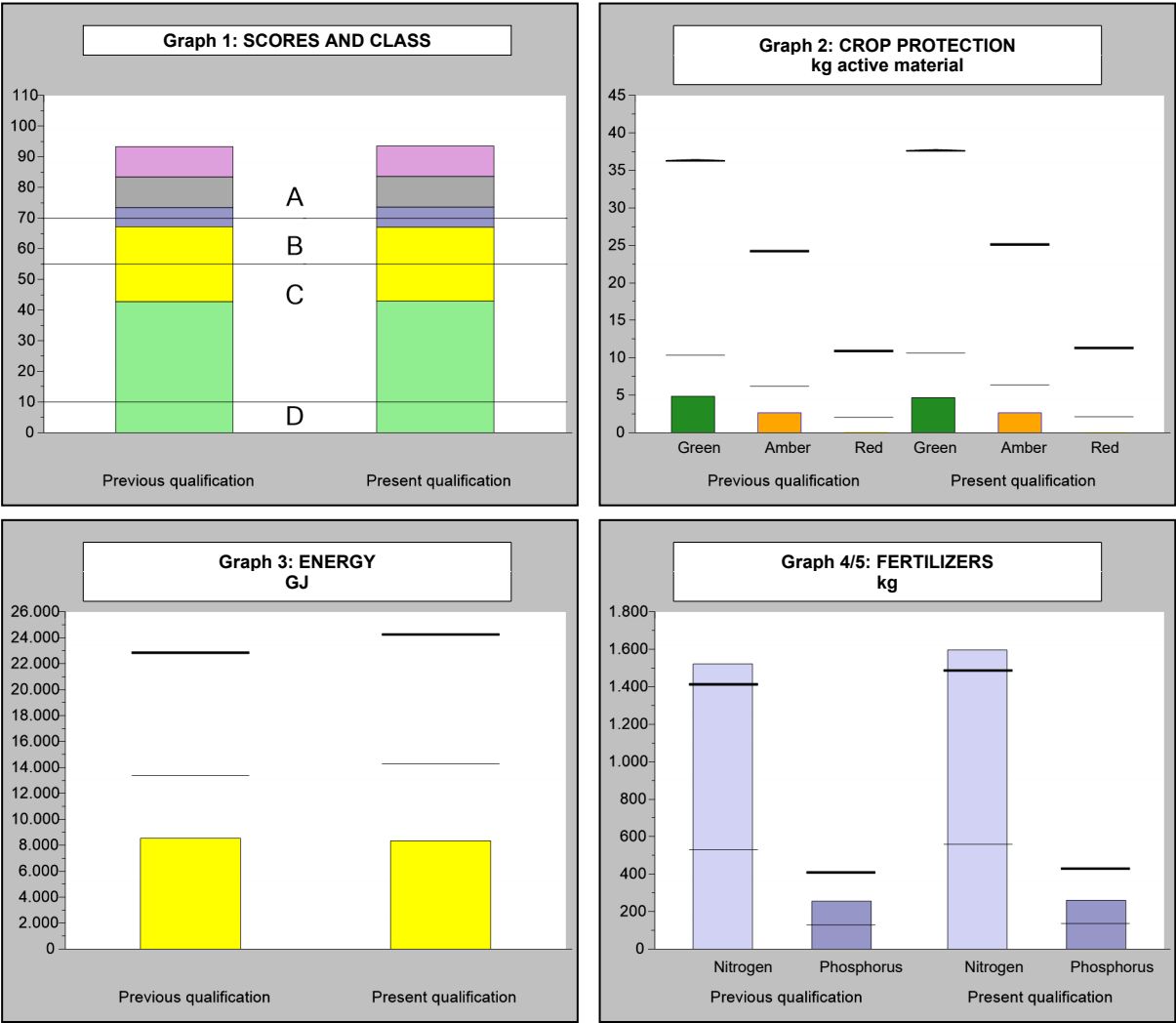
P.O. Box 114
2678 ZJ De Lier
The Netherlands

QUALIFICATION AND PERIOD GRAPHS

MPS company number: 800519/01
Company name: Gartneriet Broløkke (total)
Valid: Period 5-2023 until Period 4-2024
Version: 28-5-2024

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	10,6-37,7 kg	4,7	12,9	12,9			
	Amber	6,4-25,1 kg	2,7	17,2	17,2			
	Red	2,1-11,3 kg	0	12,9	12,9			
total				43	43	85 %	100 %	yes
Energy total		14294,8-24260,1 GJ	8346,7	24,1	24,1	75 %	100 %	yes
Fertilizers	Nitrogen	559,7-1487,4 kg	1596,8	0	11,5			
	Phosphorus	136,4-429,4 kg	260,5	6,6	11,5			
total				6,6	23	75 %	28,8 %	no
Waste		0-130	130	10	10			
Water								
Certified parental material				9,9	10			
Total score (points)				93,5	110	90	93,5	yes
COMPANY QUALIFICATION				A				

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

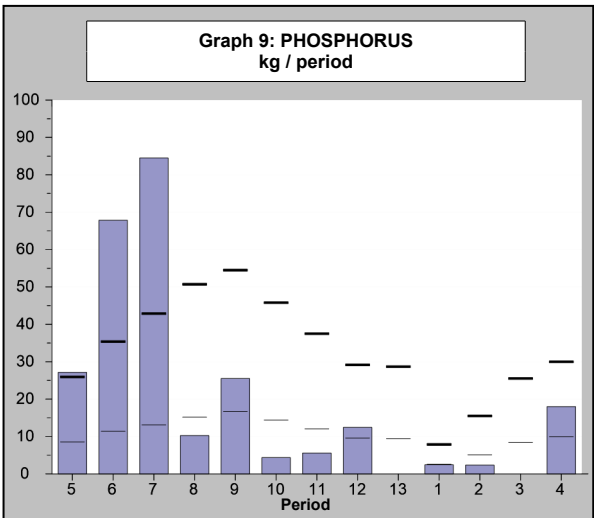
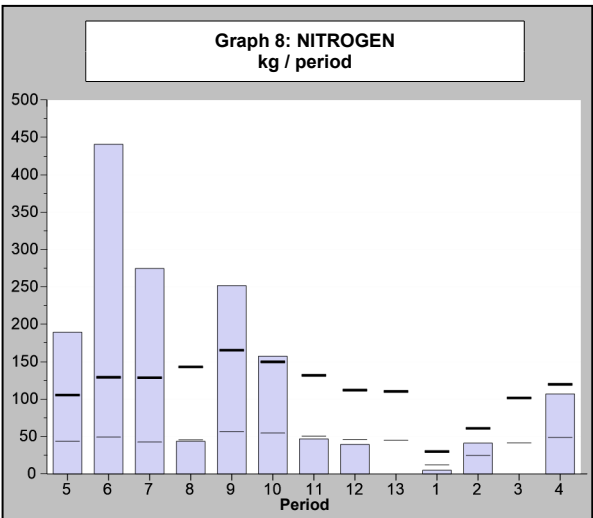
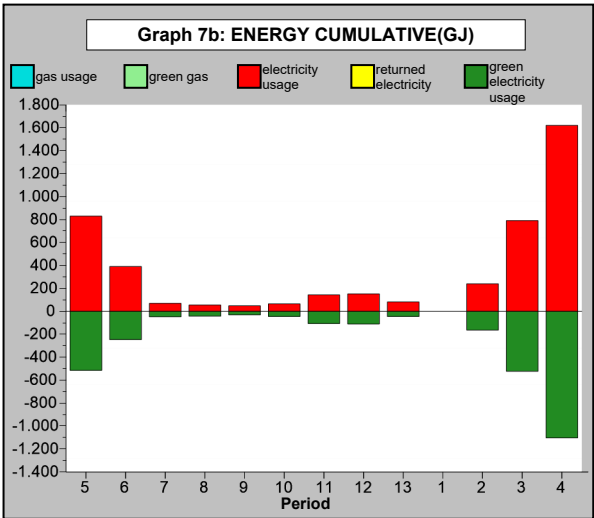
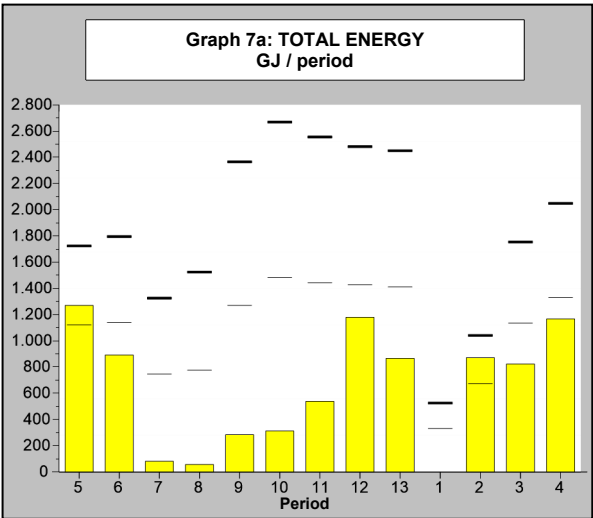
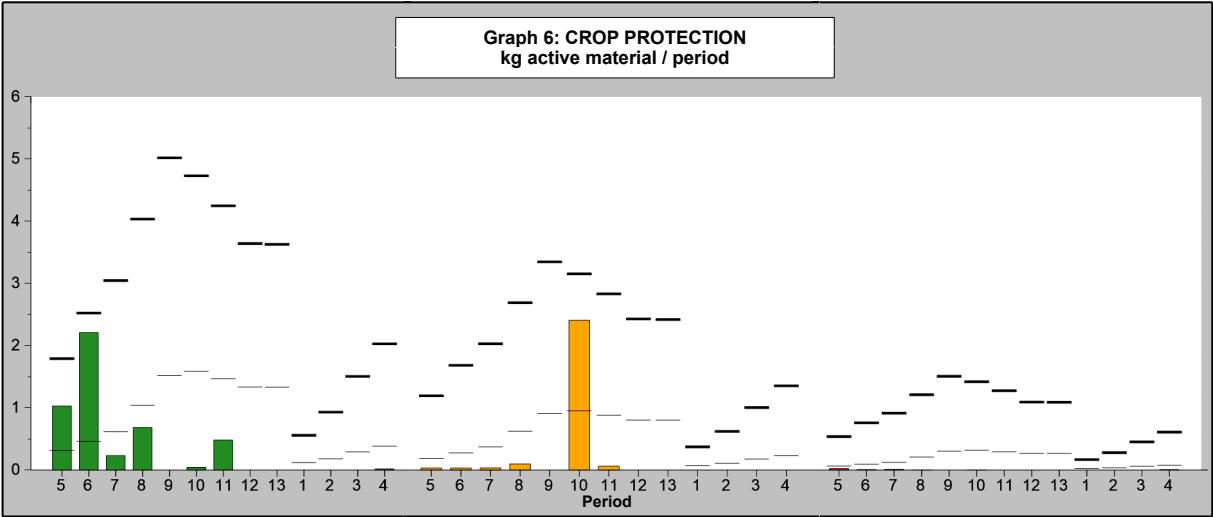


QUALIFICATION AND PERIOD GRAPHS

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

Valid: Period 5-2023 until Period 4-2024
Version: 28-5-2024

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



MPS-Overview Composition of Qualification

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

Valid: Period 5-2023 until Period 4-2024
 Version: 28-5-2024

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				10,6-37,7 kg	4,7 kg
	Amber				6,4-25,1 kg	2,7 kg
	Red				2,1-11,3 kg	0 kg
Energy		11347,9-19448,2 GJ		24,7 %	14294,8-24260,1 GJ	8346,7 GJ
Nitrogen (N)		455,9-1237,5 kg		20,2 %	559,7-1487,4 kg	1596,8 kg
Phosphorus (P)		115,9-367,5 kg		16,8 %	136,4-429,4 kg	260,5 kg

Composition of points MPS environmentally certified parental material

Certified parental material	(Average) area	Your Points	Max points
Total cultivated area 1)	14877,4 m2		
Area certified parental material MPS-ABC	14711,2 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	5	6	7	8	9	10	11	12	13	1	2	3	4
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
Alar 85 SG	●	daminozide	2,695		
BotaniGard WP	○	beauveria bassiana			
Caryx	●	mepiquat chloride	1,789		
	●	metaconazole		0,256	
Dazide Enhance	●	daminozide	0,128		
Elasto G5	○	wetting/sticker agents other			
Fiba-Zorb (liquid)	○	wetting/sticker agents other			
Floramite	●	bifenazate	0,062		
Gnatrol SC	○	bacillus thuringiensis			
Pirouette	●	paclobutrazol			0,047
Polygrøn X	○	wetting/sticker agents other			
Redusol	○	shadingmaterial/ coating			
Roundup Bio (48-16)	●	glyphosate		2,400	
SiITAC SF	○	wetting/sticker agents other			
Teppeki	●	flonicamid	0,017		
Turex WP	○	bacillus thuringiensis			
Annual company use of active substance			4,690	2,656	0,047

OVERVIEW RECORDED DATA

MPS company number: **800519/01**

Company name: Gartneriet Broløkke (total)

Valid: Period 5-2023 until Period 4-2024

Version: 28-5-2024

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

FORM RECEIVED

yes yes yes yes yes yes yes yes

CROP PROTECTION AGENTS

3023	Alar 85 SG	grams									3170
3794	BotaniGard WP	grams	750							750	2000
3352	Caryx	ml	2000							2000	8520
3809	Dazide Enhance	grams									150
3305	Elasto G5	ml	5000						6000	11000	43870
3348	Fiba-Zorb (liquid)	ml				2500	2400			4900	24700
3279	Floramite	ml	260							260	260
3366	Gnatrol SC	ml									125000
3271	Pirouette	ml							1800	1800	11720
3204	Polygrøn X	ml	5000							5000	44500
3320	Redusol	ml									340000
3044	Roundup Bio (48-16)	ml									8000
3834	SilTAC SF	ml									1000
3293	Teppeki	grams							34	34	34
3368	Turex WP	grams	500							500	1000

WATER

21	Total irrigation	m3			17151					17151	17151
----	------------------	----	--	--	-------	--	--	--	--	-------	-------

ENERGY

4	Electricity from the grid (Total)	kWh	26040	27765	14924		43716	143891	294828	551164	816945
6	Green electricity from the grid	kWh	19270	19991	8208		29727	94968	200483	372647	541130
7	Residual heat usage	GJ	576	1307	954		914	637	745	5133	7850

LIGHTING

550026	HP-Na 1000W 400V EVSA	Hour	1	1	1	1	1	1	1		
		Number									
		kWatt	16072	16207	3789	26441	131495	282247	214826		

FERTILIZERS

1067	Acadian Oplosning af Tangekstrakt 0+0+4.2 (liquid)	litres									5035
513	Ammonium nitrate	kg	50	25			25		75	175	550
303	Ammonium sulphate	litres							25	25	25
519	Calcium chloride 80%/85%	kg	25	25			25		25	100	275

OVERVIEW RECORDED DATA (Continued)

MPS company number: **800519/01**

Company name: Gartneriet Broløkke (total)

Valid: Period 5-2023 until Period 4-2024

Version: 28-5-2024

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

FERTILIZERS (Continued)

545	Calcium nitrate (nitrate o	kg	50	50			50		100	250	600
316	Ferrous chelate DTPA 3%	litres	20	20			20		20	80	222
526	Ferrous chelate DTPA 6%	kg		5					25	30	38
935	Kalisalpeter 13+0+38 Multi-K GG	kg	150	150			150		450	900	1925
647	Kaliumsulfat (44% K2O)	kg	25	25			25		125	200	350
638	Kalk	kg				225	216			441	2223
932	KobberSupport 20 Kobberchelat	litres	10				10		10	30	79
967	Lebosol-Calcium 16.7%	litres									15
1076	Ligoplex Ca	litres									44
516	Magnesium sulphate	kg	125	125			125		225	600	1375
903	Manganchelat 3	litres					20			20	82
666	Micromax (7.5%CaO+12%Fe+37.5% SO3)	kg				2,5	2,4			4,9	24,7
580	Mono-ammonium phosphate	kg		25					25	50	150
622	Mono-calcium phosphate	kg									308
581	Mono-potassium phosphate	kg		25					25	50	75
942	Multicote 15+3+12+Mg+mikro	kg									1050
633	NPK 14+3+15	kg									210
444	NPK 14+7+15	kg				35	33,6			68,6	345,8
412	Phosporsyre 75%	litres	25						25	50	110
907	Pioner Basis Brun 14+2+23+Mg+Mikro	kg									2150
414	Salpetersyre 62%	litres	20							20	4910
939	Saltpoletter	kg							200	200	300
582	Sodium molybdenum	kg	0,5							0,5	7,5
941	Solubor DF 18	kg									28
933	ZinkSupport 20	litres					20			20	58

ENVIRONMENTAL CLUSTERS

Indoor crops											
4058	HERBACEOUS PERENNIALS	m2	500	179							
4066	POT PLANTS 6	m2	6500	6500	6500						
4070	POT PLANTS REMAINDER	m2	3000	3000	2975	300	300	1011	1600		
4075	HERBS AS POTPLANT	m2				1650	3807	6203	8854		
5070	POT PLANTS REMAIN. par-mat	m2			36	500	500	500	268		
Subtotal			10000	9679	9511	2450	4607	7713	10722		

OVERVIEW RECORDED DATA (Continued)

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

Valid: Period 5-2023 until Period 4-2024
Version: 28-5-2024

Code	Description	Unit	Period 11	Period 12	Period 13	Period 1	Period 2	Period 3	Period 4	Subtotal	Year total
Outdoor crops											
4044	POTPLANTS outdoors	m2	4500	1200	1175	500	500	500	500		
4114	HERB. PERENNIALS Container	m2	1714								
Subtotal			6214	1200	1175	500	500	500	500		
Certified parental material											
661	MPS-ABC certif.parental mat. indoor	m2	9500	9179	9029	2450	4607	7713	10722		
663	MPS-ABC certif.parental mat. outdoor	m2	6214	1200	1175	500	500	500	500		

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

OVERVIEW RECORDED DATA (Continued)

MPS company number: **800519/01**

Company name: Gartneriet Broløkke (total)

Valid: Period 5-2023 until Period 4-2024

Version: 28-5-2024

GENERAL INFORMATION FORM

MPS-OEX

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

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

OVERVIEW RECORDED DATA

MPS company number: **800519/01**

Company name: Gartneriet Broløkke (total)

Valid: Period 5-2023 until Period 4-2024

Version: 28-5-2024

Code	Description	Unit	Period 5	Period 6	Period 7	Period 8	Period 9	Period 10	Subtotal
------	-------------	------	-------------	-------------	-------------	-------------	-------------	--------------	----------

FORM RECEIVED

yes yes yes yes yes yes

CROP PROTECTION AGENTS

3023	Alar 85 SG	grams	970	2200					3170
3794	BotaniGard WP	grams			500		750		1250
3352	Caryx	ml	970	1000	1100	3250		200	6520
3809	Dazide Enhance	grams		150					150
3305	Elasto G5	ml	7850	5020	16000	3150		850	32870
3348	Fiba-Zorb (liquid)	ml	7400	2600	4900	4900			19800
3279	Floramite	ml							
3366	Gnatrol SC	ml			65000		30000	30000	125000
3271	Pirouette	ml	5420	1500	2300	400		300	9920
3204	Polygrøn X	ml	24500	5000				10000	39500
3320	Redusol	ml			200000		140000		340000
3044	Roundup Bio (48-16)	ml						8000	8000
3834	SilTAC SF	ml					1000		1000
3293	Teppeki	grams							
3368	Turex WP	grams				500			500

WATER

21 Total irrigation m3

ENERGY

4	Electricity from the grid (Total)	kWh	150915	71128	12710	10131	8943	11954	265781
6	Green electricity from the grid	kWh	93567	44811	8643	7700	5634	8128	168483
7	Residual heat usage	GJ	1098	860	68	50	306	335	2717

LIGHTING

550026	HP-Na 1000W 400V EVSA	Hour	1	1	1	1	1	1	
		Number							
		kWatt	141258	60208	3012	912	805	1435	

FERTILIZERS

1067	Acadian Oplosning af Tangekstrakt 0+0+4.2 (liquid)	litres	10	15			10	5000	5035
513	Ammonium nitrate	kg	125	75	125		50		375
303	Ammonium sulphate	litres							
519	Calcium chloride 80%/85%	kg	50	50	50		25		175

OVERVIEW RECORDED DATA (Continued)

MPS company number: **800519/01**

Company name: Gartneriet Broløkke (total)

Valid: Period 5-2023 until Period 4-2024

Version: 28-5-2024

Code	Description	Unit	Period 5	Period 6	Period 7	Period 8	Period 9	Period 10	Subtotal
------	-------------	------	-------------	-------------	-------------	-------------	-------------	--------------	----------

FERTILIZERS (Continued)

545	Calcium nitrate (nitrate o	kg	250		100				350
316	Ferrous chelate DTPA 3%	litres	42	40	40		20		142
526	Ferrous chelate DTPA 6%	kg	2	4				2	8
935	Kalisalpeter 13+0+38 Multi-K GG	kg	275	300	300		150		1025
647	Kaliumsulfat (44% K2O)	kg	25	50	50		25		150
638	Kalk	kg	666	234	441	441			1782
932	KobberSupport 20 Kobberchelate	litres	22	5	12		10		49
967	Lebosol-Calcium 16.7%	litres	15						15
1076	Ligoplex Ca	litres		24	20				44
516	Magnesium sulphate	kg	275	225	275				775
903	Manganchelat 3	litres	30		20			12	62
666	Micromax (7.5%CaO+12%Fe+37.5% SO3)	kg	7,4	2,6	4,9	4,9			19,8
580	Mono-ammonium phosphate	kg	5	45	25		25		100
622	Mono-calcium phosphate	kg	25	25	258				308
581	Mono-potassium phosphate	kg					25		25
942	Multicote 15+3+12+Mg+mikro	kg		1050					1050
633	NPK 14+3+15	kg	210						210
444	NPK 14+7+15	kg	103,6	36,4	68,6	68,6			277,2
412	Phosporsyre 75%	litres	10	10	40				60
907	Pioner Basis Brun 14+2+23+Mg+Mikro	kg	200	650	250	250	600	200	2150
414	Salpetersyre 62%	litres		1140	1250		1250	1250	4890
939	Saltpoletter	kg	100						100
582	Sodium molybdenum	kg		1	2	1	2	1	7
941	Solubor DF 18	kg	5	3	20				28
933	ZinkSupport 20	litres	13	3	22				38

ENVIRONMENTAL CLUSTERS

Indoor crops									
4058	HERBACEOUS PERENNIALS	m2	1200	1200	2343	3200	2236	500	
4066	POT PLANTS 6	m2				2089	5214	6500	
4070	POT PLANTS REMAINDER	m2	500	500	500	500	1393	3000	
4075	HERBS AS POTPLANT	m2	9022	9022	5295	2500	1607		
5070	POT PLANTS REMAIN. par-mat	m2							
Subtotal			10722	10722	8138	8289	10450	10000	

OVERVIEW RECORDED DATA (Continued)

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

Valid: Period 5-2023 until Period 4-2024
Version: 28-5-2024

Code	Description	Unit	Period 5	Period 6	Period 7	Period 8	Period 9	Period 10	Subtotal
Outdoor crops									
4044	POTPLANTS outdoors	m2		3214	10714	15000	13214	8393	
4114	HERB. PERENNIALS Container	m2	100	3250	5000	5000	3929	2000	
	Subtotal		100	6464	15714	20000	17143	10393	
Certified parental material									
661	MPS-ABC certif.parental mat. indoor	m2	10722	10722	8138	8289	10271	9500	
663	MPS-ABC certif.parental mat. outdoor	m2	100	6464	15714	20000	17143	10393	