



Certificate

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

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

Applicable to environmental clusters:

POT PLANTS REMAINDER; POT PLANTS 12; HERBS AS POTPLANT; HERBACEOUS PERENNIALS
POTPLANTS outdoors; POT PLANTS 6; HERB. PERENNIALS Container; POT PLANTS REMAIN. par-mat

Validity: **27-2-2023 valid up to and including 21-5-2023**

Total points: **90,5**

Qualification: **A**

Kind regards,
MPS-ECAS

Signature:

Date of issue:
27-2-2023

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)

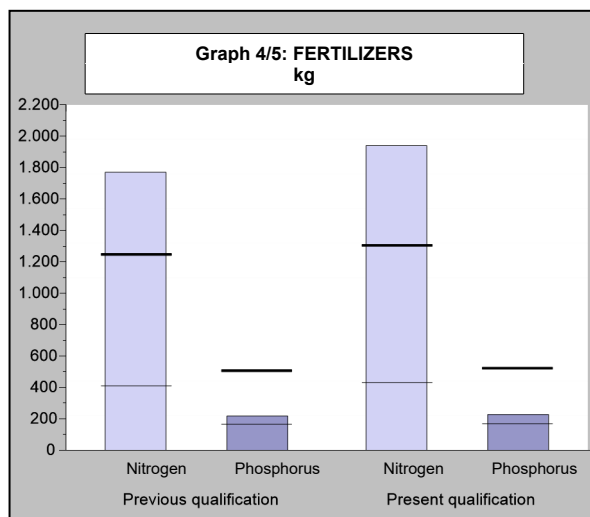
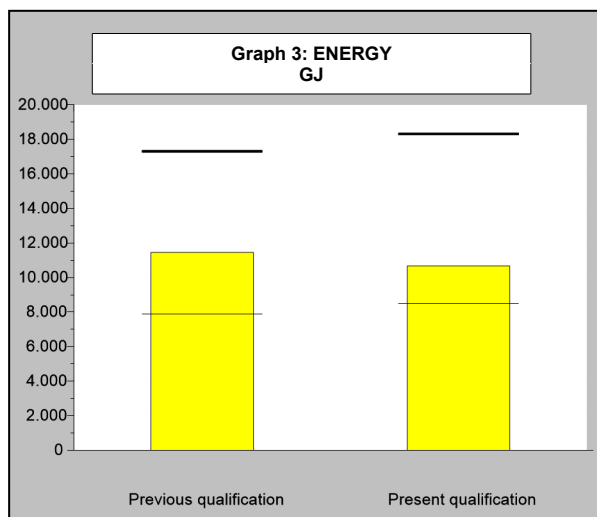
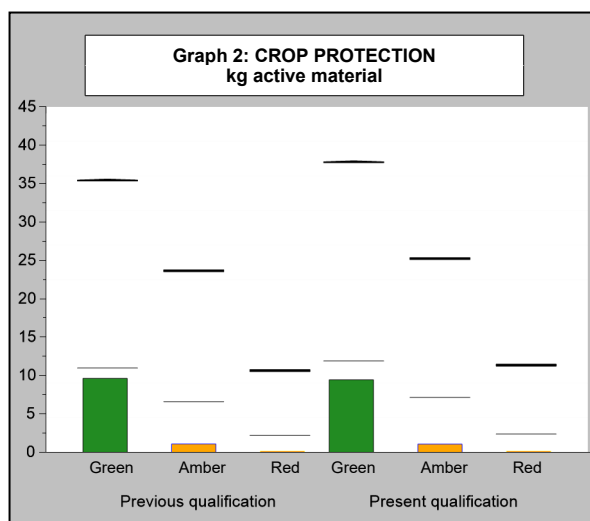
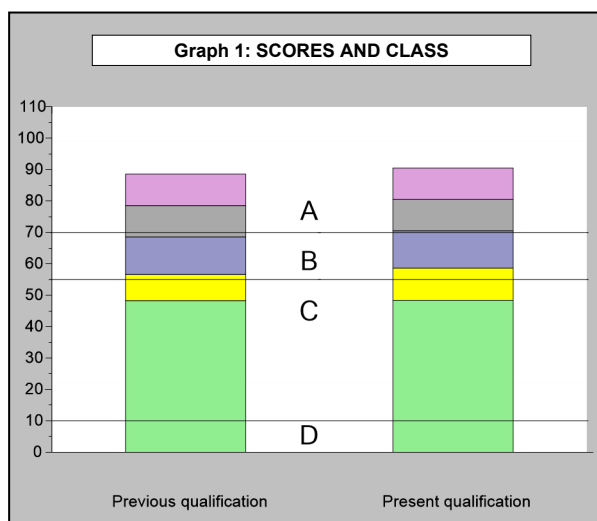
Valid: Period 1-2022 until Period 13-2022
 Version: 27-2-2023

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	11,9-37,9 kg	9,4	14,5	14,5			
	Amber	7,1-25,2 kg	1,1	19,4	19,4			
	Red	2,4-11,4 kg	0,1	14,5	14,5			
total				48,4	48,4	85 %	100 %	yes
Energy total		8508,7-18315,5 GJ	10674,7	10,3	13,2	75 %	77,9 %	yes
Fertilizers	Nitrogen	432-1305,1 kg	1940,8	0	14,2			
	Phosphorus	169,9-522,7 kg	228	11,9	14,2			
total				11,9	28,4	75 %	41,7 %	no
Waste		0-130	130	10	10			
Water								
Certified parental material				10	10			
Total score (points)				90,5	110	90	105,8	yes
COMPANY QUALIFICATION				A				

COMPANY USAGE PER 13 PERIODS

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

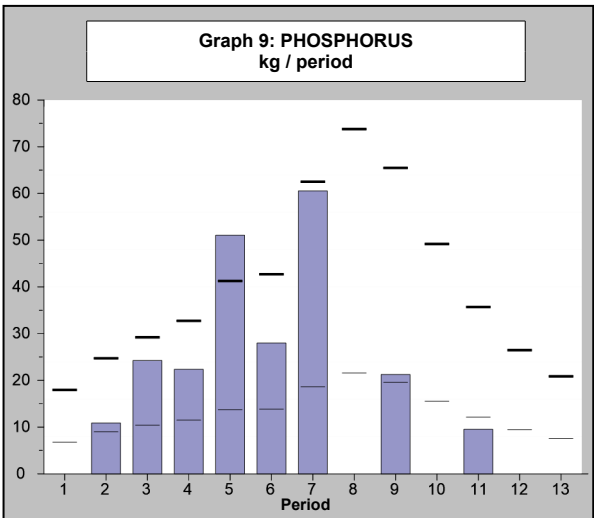
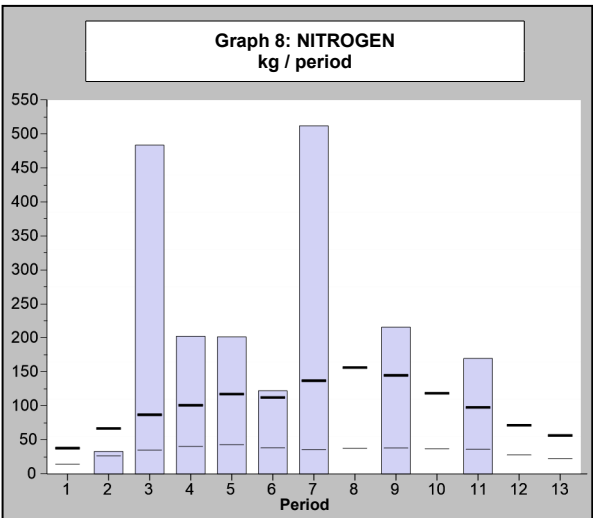
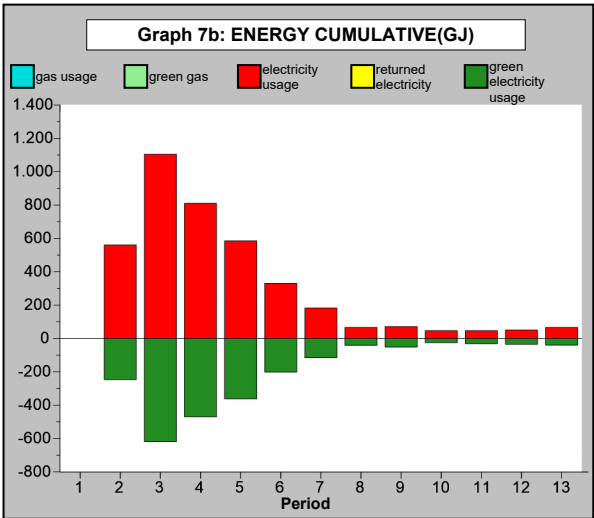
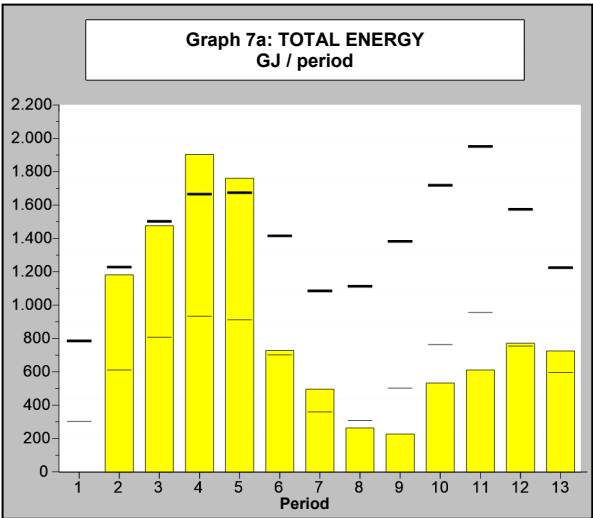
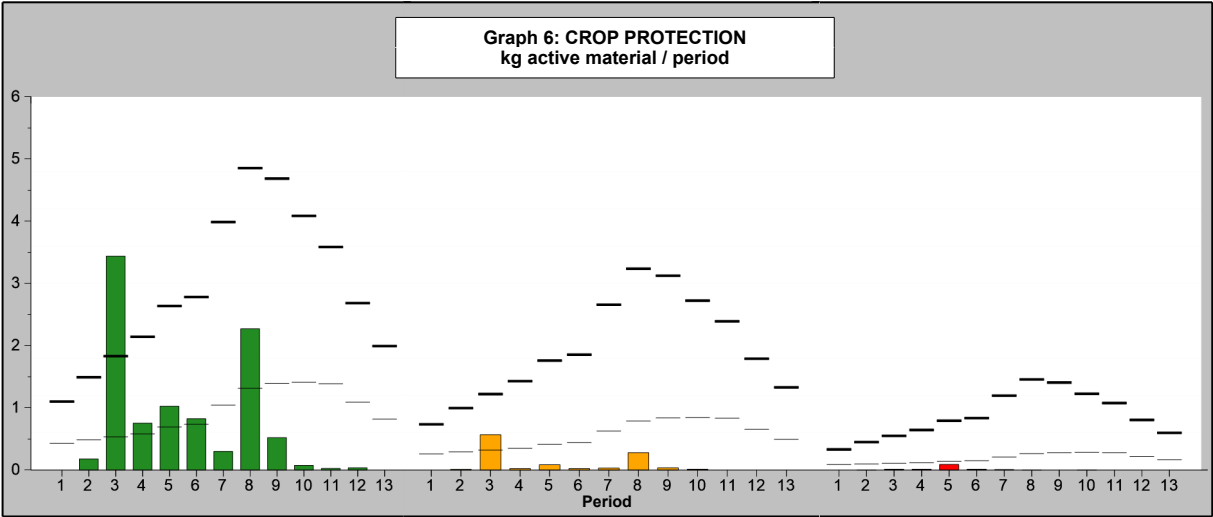


QUALIFICATION AND PERIOD GRAPHS

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

Valid: Period 1-2022 until Period 13-2022
Version: 27-2-2023

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



MPS-Overview Composition of Qualification

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

Valid: Period 1-2022 until Period 13-2022
 Version: 27-2-2023

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				11,9-37,9 kg	9,4 kg
	Amber				7,1-25,2 kg	1,1 kg
	Red				2,4-11,4 kg	0,1 kg
Energy		6853,1-15445,4 GJ		18,6 %	8508,7-18315,5 GJ	10674,7 GJ
Nitrogen (N)		372,4-1161,5 kg		12,4 %	432-1305,1 kg	1940,8 kg
Phosphorus (P)		157,3-485 kg		7,8 %	169,9-522,7 kg	228 kg

Composition of points MPS environmentally certified parental material

Certified parental material	(Average) area	Your Points	Max points
Total cultivated area 1)	14835,5 m2		
Area certified parental material MPS-ABC	37517,3 m2	25,3	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 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
Acadian (=wrong code /use code 106	○	seaweed extract			
Alar 85 SG	●	daminozide	3,638		
ATR Sneglekorn (Snail Grains)	●	ferric phosphate	0,024		
BotaniGard WP	○	beauveria bassiana			
Caryx	●	mepiquat chloride	2,323		
	●	metaconazole		0,332	
Conserve	●	spinosad	0,012		
Elasto G5	○	wetting/sticker agents other			
Fiba-Zorb	○	wetting/sticker agents other			
Flexity	●	metrafenone	0,090		
Floramite	●	bifenazate	0,055		
Gnatrol SC	○	bacillus thuringiensis			
Kibril Bladglans	○	leaf shine			
Legacy 500 SC	●	diflufenican		0,500	
Mavrik Vita	●	tau-fluvalinate	1,176		
Movento SC 100	●	spirotetramat	0,320		
Pirouette	●	paclobutrazol			0,135
Polygron	○	wetting/sticker agents other			
Previcur Energy	●	fosetyl-aluminium	0,403		
	●	propamocarb	0,689		
ReduClean	○	schermiddel-/coating-remover			
Reduheat	○	shadingmaterial/ coating			
Redusol	○	shadingmaterial/ coating			
Shirlan (500)	●	fluazinam		0,020	

MPS-Overview Composition of Qualification

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

Valid: Period 1-2022 until Period 13-2022
 Version: 27-2-2023

Company usage of MPS-MIND

Pesticide	Indicator color	active ingredient	Annual company use of active substance		
			Green	Amber	Red
Signum WG	●	boscalid	0,387		
Signum WG	●	pyraclostrobin		0,097	
Sluxx	●	ferric phosphate	0,210		
Sodium Bicarbonate (Food Grade) No	○	sodium bicarbonate			
Steward	●	indoxacarb		0,109	
Teppeki	●	flonicamid	0,111		
Turex WP	○	bacillus thuringiensis			
Annual company use of active substance			9,438	1,058	0,135

OVERVIEW RECORDED DATA

MPS company number: **800519/01**

Company name: Gartneriet Broløkke (total)

Valid: Period 1-2022 until Period 13-2022

Version: 27-2-2023

Code	Description	Unit	Period 8	Period 9	Period 10	Period 11	Period 12	Period 13	Subtotal	Year total
FORM RECEIVED			yes	yes	yes	yes	yes	yes		
CROP PROTECTION AGENTS										
3363	Acadian (=wrong code /use code 1067 at fertilizer)	ml								3200
3023	Alar 85 SG	grams	350				40		390	4280
3868	ATR Sneglekorn (Snail Grains)	grams								1000
3794	BotaniGard WP	grams	4000		500				4500	4500
3352	Caryx	ml	4280		350				4630	11064
3205	Conserve	ml								100
3305	Elasto G5	ml	12700	800	7500		10000		31000	102250
3348	Fiba-Zorb	ml	2550						2550	26886
3337	Flexity	ml								300
3279	Floramite	ml								230
3366	Gnatrol SC	ml	5000		20000	5000	45000		75000	166000
3313	Kibril Bladglans	ml					3000		3000	9000
3784	Legacy 500 SC	ml								1000
3864	Mavrik Vita	ml	2800	1900					4700	4900
3315	Movento SC 100	ml	100	400					500	3200
3271	Pirouette	ml	500		445		100		1045	33835
3126	Polygron	grams			5000				5000	55000
3321	Previcur Energy	ml								1300
3301	ReduClean	ml				500000			500000	500000
3304	Reduheat	ml	2160000						2160000	2188000
3320	Redusol	ml	20000						20000	40000
3230	Shirlan (500)	ml								40
3270	Signum WG	grams	1150						1150	1450
3328	Sluxx	grams	1800						1800	7000
3804	Sodium Bicarbonate (Food Grade) NovaCarb	grams	35000						35000	35000
3312	Steward	grams	243	120					363	363
3293	Teppeki	grams	64	48		48			160	222
3368	Turex WP	grams								1500

WATER

21	Total irrigation	m3		14562				3846	18408	21214
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ENERGY

4	Electricity from the grid (Total)	kWh	12137	12992	8624	8514	9225	12063	63555	713073
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OVERVIEW RECORDED DATA (Continued)

MPS company number: **800519/01**

Valid: Period 1-2022 until Period 13-2022

Company name: Gartneriet Broløkke (total)

Version: 27-2-2023

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

6	Green electricity from the grid	kWh	7525	9354	4571	5704	6365	7238	40757	406912
7	Residual heat usage	GJ	274	238	587	684	868	803	3454	10334

LIGHTING

550026	HP-Na 1000W 400V EVSA	Hour	1	1	1	1	1	1		
		Number								
		kWatt	1	1157	144	181	2576	35504		

FERTILIZERS

1067	Acadian Oplosning af Tangekstrakt 0+0+4.2	litres			10000				10000	42160
513	Ammonium nitrate	kg		25		75			100	337,5
303	Ammonium sulphate	litres								25
519	Calcium chloride 80%/85%	kg								200
545	Calcium nitrate (nitrate o	kg		50		245			295	700
1062	CC Farm 77% (Calcium Chloride agro grade flakes)	kg		25		50			75	75
316	Ferrous chelate DTPA 3%	litres		25		50			75	195
375	Ferrous chelate DTPA 6%	litres								32,5
526	Ferrous chelate DTPA 6%	kg								17,5
561	Ferrous chelate EDDHA 6%	kg				4			4	6
935	Kalisalpeter 13+0+38 Multi-K GG	kg		150		100			250	1600
638	Kalk	kg								1963,5
932	KobberSupport 20 Kobberchelate	litres		5		16			21	45,4
967	Lebosol-Calcium 16.7%	litres			0,75		7,2		7,95	77,95
1076	Ligoplex Ca	litres		1	5				6	6
516	Magnesium sulphate	kg		125		125			250	1375
903	Manganchelat 3	litres				16			16	86
666	Micromax (7.5%CaO+12%Fe+37.5% SO3)	kg								21,75
580	Mono-ammonium phosphate	kg		12		12,5			24,5	162,5
622	Mono-calcium phosphate	kg		12		12,5			24,5	187,5
942	Multicote 15+3+12+Mg+mikro	kg								1300
420	NPK 12+6+20	kg								30,72
633	NPK 14+3+15	kg								490
444	NPK 14+7+15	kg								283,5
412	Phosporsyre 75%	litres		10		10			20	105
907	Pioner Basis Brun 14+2+23+Mg+Mikro	kg		600		50			650	1915

OVERVIEW RECORDED DATA (Continued)

MPS company number: **800519/01**

Company name: Gartneriet Broløkke (total)

Valid: Period 1-2022 until Period 13-2022

Version: 27-2-2023

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

539	Potassium sulphate	kg				25			25	275
630	Resistim 0+6+11	litres								20,2
414	Salpetersyre 62%	litres		926		815			1741	8772
939	Saltpoletter	kg				100			100	700
582	Sodium molybdenum	kg				0,3			0,3	3,7
941	Solubor DF 18	kg				1,6			1,6	14,6
933	ZinkSupport 20	litres		6		10			16	32

ENVIRONMENTAL CLUSTERS

Indoor crops										
4000	UNCULTIVATED	m2	7672	6904	5886	4443	4819			
4058	HERBACEOUS PERENNIALS	m2	2100	1411	371	79				
4066	POT PLANTS 6	m2	950	2407	4143	5200	3914	2700		
4070	POT PLANTS REMAINDER	m2			321	1000	1000	961		
4072	POT PLANTS 12	m2								
4075	HERBS AS POTPLANT	m2								
5070	POT PLANTS REMAIN. par-mat	m2						64		
Subtotal			10722	10722	10722	10722	9733	3725		
Outdoor crops										
4044	POTPLANTS outdoors	m2	31800	25346	13821	4143	857			
4099	UNCULTIVATED	m2	18700	25743	38468	48757	51900	50046		
4114	HERB. PERENNIALS Container	m2	2500	1911	711	100	100	100		
Subtotal			53000	53000	53000	53000	52857	50146		
Certified parental material										
661	MPS-ABC certif.parental mat. indoor	m2	7211	6459	10722	9517	4914	3725		
663	MPS-ABC certif.parental mat. outdoor	m2	53000	39643	14532	4243	957	100		

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

OVERVIEW RECORDED DATA (Continued)

MPS company number: **800519/01**
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Version: 27-2-2023

GENERAL INFORMATION FORM

MPS-Mind

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%
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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
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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

Substrate

3957	Do you cultivate cut flowers on substrate?	No
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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

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Version: 27-2-2023

Code	Description	Unit	Period 1	Period 2	Period 3	Period 4	Period 5	Period 6	Period 7	Subtotal
FORM RECEIVED			yes	yes	yes	yes	yes	yes	yes	
CROP PROTECTION AGENTS										
3363	Acadian (=wrong code /use code 1067 at fertilizer)	ml						3200		3200
3023	Alar 85 SG	grams		120	1960	710	650	450		3890
3868	ATR Sneglekorn (Snail Grains)	grams			1000					1000
3794	BotaniGard WP	grams								
3352	Caryx	ml		120	1734	710	2150	720	1000	6434
3205	Conserve	ml						100		100
3305	Elasto G5	ml			3750	750	39450	16500	10800	71250
3348	Fiba-Zorb	ml		2500	5000	6636		5100	5100	24336
3337	Flexity	ml		80	220					300
3279	Floramite	ml			190			40		230
3366	Gnatrol SC	ml			91000					91000
3313	Kibril Bladglans	ml			3000		3000			6000
3784	Legacy 500 SC	ml			1000					1000
3864	Mavrik Vita	ml							200	200
3315	Movento SC 100	ml			2300				400	2700
3271	Pirouette	ml		300	3270	2680	22100	2895	1545	32790
3126	Polygron	grams			15000	7500	10000	17500		50000
3321	Previcur Energy	ml			1000			300		1300
3301	ReduClean	ml								
3304	Reduheat	ml						10000	18000	28000
3320	Redusol	ml							20000	20000
3230	Shirlan (500)	ml					40			40
3270	Signum WG	grams		100	200					300
3328	Sluxx	grams			5000		200			5200
3804	Sodium Bicarbonate (Food Grade) NovaCarb	grams								
3312	Steward	grams								
3293	Teppeki	grams					30	32		62
3368	Turex WP	grams			1500					1500

WATER

21	Total irrigation	m3					2806			2806
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ENERGY

4	Electricity from the grid (Total)	kWh	101883	200776	147303	106339	60087	33130	649518
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OVERVIEW RECORDED DATA (Continued)

MPS company number: **800519/01**

Company name: Gartneriet Broløkke (total)

Valid: Period 1-2022 until Period 13-2022

Version: 27-2-2023

Code	Description	Unit	Period 1	Period 2	Period 3	Period 4	Period 5	Period 6	Period 7	Subtotal
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ENERGY (Continued)

6	Green electricity from the grid	kWh		44829	112435	85436	65930	36653	20872	366155
7	Residual heat usage	GJ		997	1138	1796	1768	688	493	6880

LIGHTING

550026	HP-Na 1000W 400V EVSA	Hour	1	1	1	1	1	1	1	
		Number								
		kWatt	83806	188946	135758	91129	39354	16668	1066	

FERTILIZERS

1067	Acadian Oplosning af Tangekstrakt 0+0+4.2	litres			360		6000		25800	32160
513	Ammonium nitrate	kg		25	25	50	37,5	50	50	237,5
303	Ammonium sulphate	litres					25			25
519	Calcium chloride 80%/85%	kg		25	25	50		50	50	200
545	Calcium nitrate (nitrate o	kg		50	50	50	100	100	55	405
1062	CC Farm 77% (Calcium Chloride agro grade flakes)	kg								
316	Ferrous chelate DTPA 3%	litres				25	75		20	120
375	Ferrous chelate DTPA 6%	litres		12,5	20					32,5
526	Ferrous chelate DTPA 6%	kg			12,5	2		2	1	17,5
561	Ferrous chelate EDDHA 6%	kg		2						2
935	Kalisalpeter 13+0+38 Multi-K GG	kg				200	550	300	300	1350
638	Kalk	kg		225	450	600			688,5	1963,5
932	KobberSupport 20 Kobberchelate	litres		8	8	0,4			8	24,4
967	Lebosol-Calcium 16.7%	litres			2,35	0,75	21,9	11,2	33,8	70
1076	Ligoplex Ca	litres								
516	Magnesium sulphate	kg		125	125	250	125	250	250	1125
903	Manganchelat 3	litres		8	8	16	14	16	8	70
666	Micromax (7.5%CaO+12%Fe+37.5% SO3)	kg		2,5	5	6,6			7,65	21,75
580	Mono-ammonium phosphate	kg		12,5	12,5	25	38	37,5	12,5	138
622	Mono-calcium phosphate	kg		12,5	12,5	25	63	25	25	163
942	Multicote 15+3+12+Mg+mikro	kg			175		75	300	750	1300
420	NPK 12+6+20	kg				30,72				30,72
633	NPK 14+3+15	kg			140	30	320			490
444	NPK 14+7+15	kg		35	70	71,4			107,1	283,5
412	Phosphorsyre 75%	litres		10	10	10	40	15		85
907	Pioner Basis Brun 14+2+23+Mg+Mikro	kg					265		1000	1265

OVERVIEW RECORDED DATA (Continued)

MPS company number: **800519/01**

Company name: Gartneriet Broløkke (total)

Valid: Period 1-2022 until Period 13-2022

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Code	Description	Unit	Period 1	Period 2	Period 3	Period 4	Period 5	Period 6	Period 7	Subtotal
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FERTILIZERS (Continued)

539	Potassium sulphate	kg		25	25	25	175			250
630	Resistim 0+6+11	litres			20	0,2				20,2
414	Salpetersyre 62%	litres		100	3940	1250			1741	7031
939	Saltpoletter	kg			350		250			600
582	Sodium molybdenum	kg		0,3	0,3	0,6			2,2	3,4
941	Solubor DF 18	kg		0,8	0,8	0,16	4,24	1,6	5,4	13
933	ZinkSupport 20	litres		5		11				16

ENVIRONMENTAL CLUSTERS

Indoor crops										
4000	UNCULTIVATED	m2	8602	6071	3632	1902	2172	3495	6672	
4058	HERBACEOUS PERENNIALS	m2	10	230	860	1000	1000	1679	2121	
4066	POT PLANTS 6	m2						68	161	
4070	POT PLANTS REMAINDER	m2	10	21		50	100	32		
4072	POT PLANTS 12	m2	200	200	200	120				
4075	HERBS AS POTPLANT	m2	1900	4200	6030	7650	7450	5448	1768	
5070	POT PLANTS REMAIN. par-mat	m2								
Subtotal			10722	10722	10722	10722	10722	10722	10722	
Outdoor crops										
4044	POTPLANTS outdoors	m2				500	5800	8650	24268	
4099	UNCULTIVATED	m2	53000	53000	53000	52500	47200	43332	26625	
4114	HERB. PERENNIALS Container	m2						1018	2107	
Subtotal			53000	53000	53000	53000	53000	53000	53000	
Certified parental material										
661	MPS-ABC certif.parental mat. indoor	m2	2120	10722	10722	10722	8550	7227	9103	
663	MPS-ABC certif.parental mat. outdoor	m2		53000	53000	53000	53000	24839	36696	