



Certificate

MPS-ECAS awards this certificate in accordance with the
certification scheme MPS-ABC version 15, to:

**Gartneriet Lammehave
Nordmarken 4
5750 RINGE
Denmark
MPS-number: 802932**

Applicable to environmental clusters:

NURSERY STOCK 1; POT PLANTS 1; POT PLANTS 4; POT PLANTS 8; POT PLANTS REMAINDER

Validity: **31-1-2022 valid up to and including 22-5-2022**

Total points: **95,9**

Qualification: **A**

Kind regards,
MPS-ECAS

Signature:

Date of issue:
17-1-2022

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: **802932/01**
Company name: Gartneriet Lammehave (total)

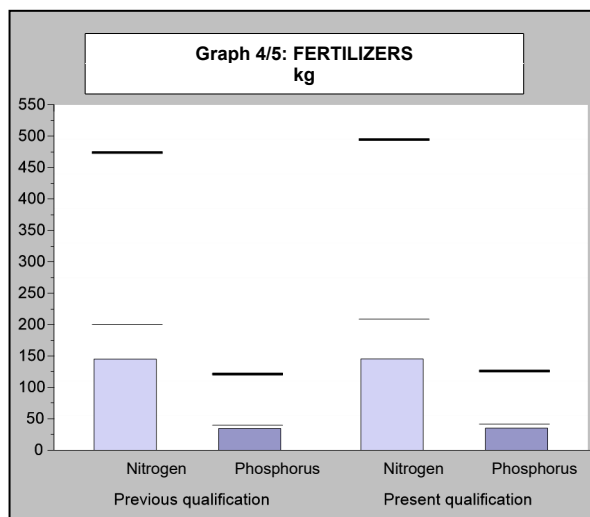
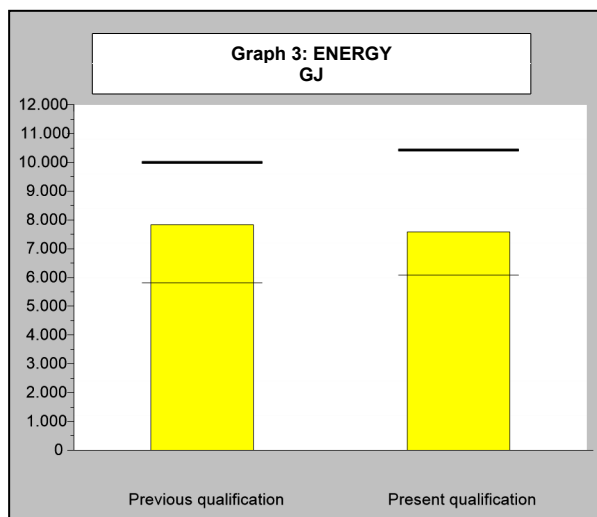
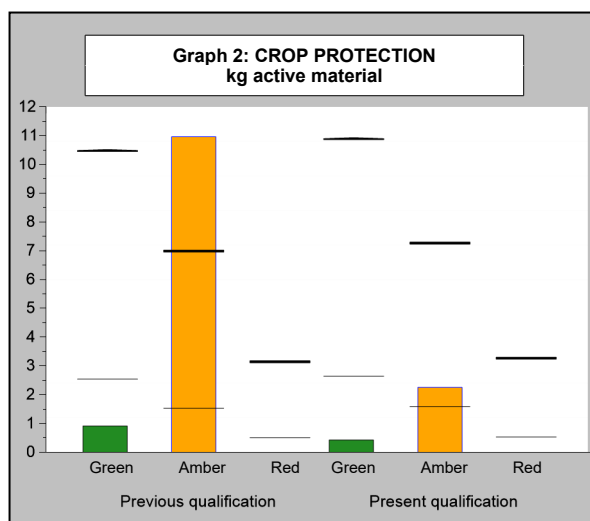
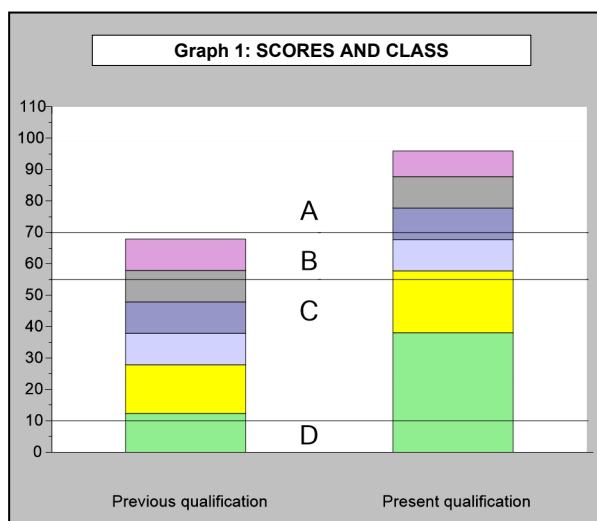
Valid: Period 1-2021 until Period 13-2021
Version: 17-1-2022

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	2,6-10,9 kg	0,4	12	12			
	Amber	1,6-7,3 kg	2,3	14,1	16			
	Red	0,5-3,3 kg	0	12	12			
total				38,1	40	85 %	95,2 %	yes
Energy total		6089,1-10429,4 GJ	7585,4	19,7	30	75 %	65,5 %	no
Fertilizers	Nitrogen	208,7-494,8 kg	145,6	10	10			
	Phosphorus	41,6-126,2 kg	35,2	10	10			
total				20	20	75 %	100 %	yes
Waste		0-130	130	10	10			
Water								
Certified parental material				8,2	10			
Total score (points)				95,9	110	90	95,9	yes
COMPANY QUALIFICATION				A				

COMPANY USAGE PER 13 PERIODS

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

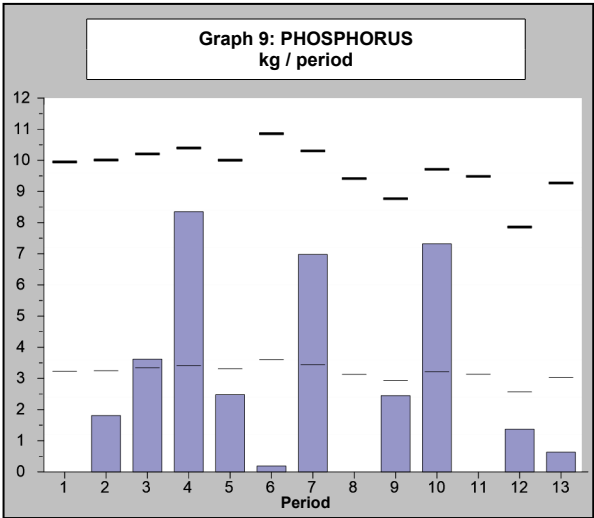
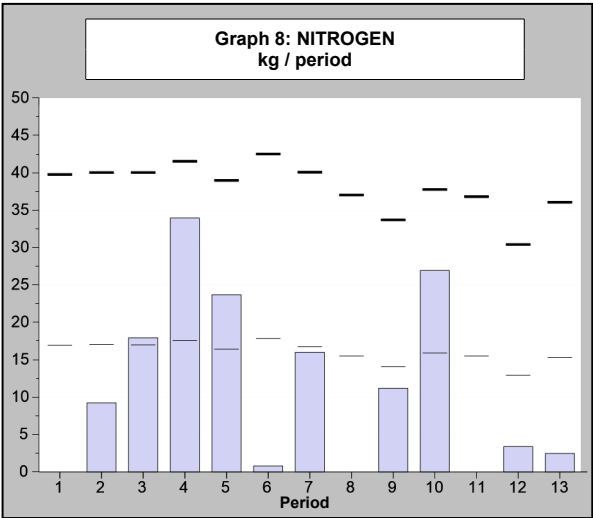
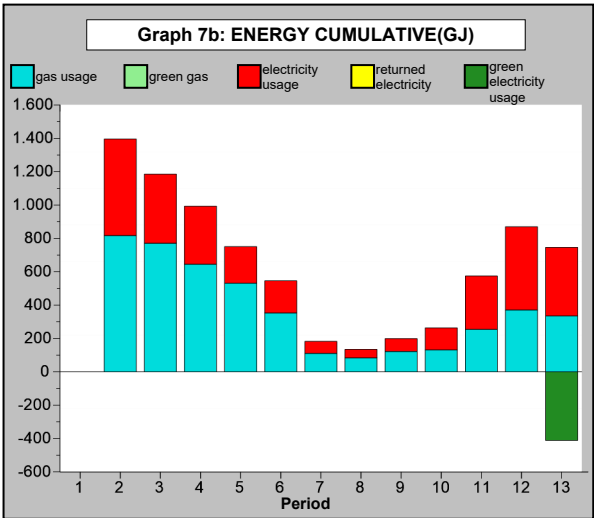
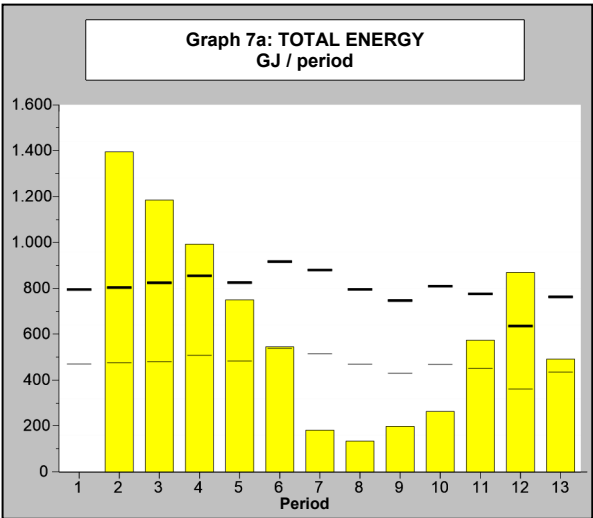
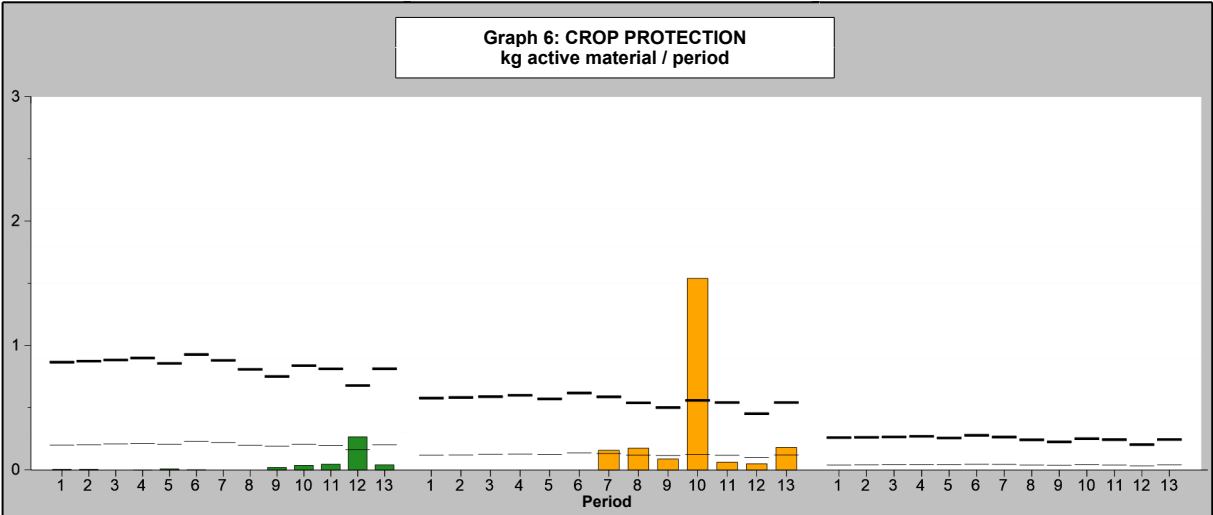


QUALIFICATION AND PERIOD GRAPHS

MPS company number: 802932/01
Company name: Gartneriet Lammehave (total)

Valid: Period 1-2021 until Period 13-2021
Version: 17-1-2022

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



MPS-Overview Composition of Qualification

MPS company number: **802932/01**
 Company name: Gartneriet Lammehave (total)

Valid: Period 1-2021 until Period 13-2021
 Version: 17-1-2022

Composition of points MPS environmentally certified parental material

Certified parental material	(Average) area	Your Points	Max points
Total cultivated area 1)	4675,8 m2		
Area certified parental material MPS-ABC	3819,6 m2	8,2	10
Area certified parental material GLOBALGAP	0 m2	0	5
Total points for Certified parental material		8,2	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
Aliette	●	fosetyl-aluminium	0,088		
BotaniGard WP	○	beauveria bassiana			
Geoxe 50 WG	●	fludioxonil	0,025		
Gnatrol SC	○	bacillus thuringiensis			
Huwa-San TR-50	○	hydrogen peroxide			
Mospilan SG	●	acetamiprid	0,042		
Movento SC 100	●	spirotetramat	0,016		
Mycostop	○	streptomyces griseoviridis			
Mycotal	○	verticillium lecanii / lecanicillium s			
NeemAzal T/S	●	azadirachtin	0,018		
Prestop WP	○	gliocladium catenulatum			
Previcur Energy	●	fosetyl-aluminium	0,078		
	●	propamocarb	0,133		
ReduClean	○	schermiddel/-coating-remover			
Redusol	○	shadingmaterial/ coating			
Rizolex 50 FW	●	tolclofos-methyl		0,680	
Roundup Bio (48-16)	●	glyphosate		1,545	
Serenade ASO	○	bacillus subtilis			
Signum WG	●	boscalid	0,008		
	●	pyraclostrobin	0,002		
Switch	●	cyprodinil		0,028	
	●	fludioxonil	0,019		
Trium-G	○	trichoderma harzianum			
Trium-P	○	trichoderma harzianum			
Annual company use of active substance			0,428	2,253	

OVERVIEW RECORDED DATA

MPS company number: **802932/01**
 Company name: Gartneriet Lammehave (total)

Valid: Period 1-2021 until Period 13-2021
 Version: 17-1-2022

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										
3176	Aliette	grams			150		700	250	1100	1100
990673	Amblyseius / Neoseiulus californicus	number		10000			10000		20000	95000
990395	Amblyseius / Neoseiulus cucumeris	number		5760000			11520000		17280000	28800000
3794	BotaniGard WP	grams						20	20	20
3798	Geoxe 50 WG	grams			50				50	50
3366	Gnatrol SC	ml	10000	10300	1000	10000			31300	62500
3822	Huwa-San TR-50	ml	25000		125000	25000	50000		225000	225000
990675	Hypoaspis miles / Stratiolaelaps Scimitus	number	125000		125000	375000	250000	125000	1000000	1250000
3277	Mospilan SG	grams		100		100		10	210	210
3315	Movento SC 100	ml				159			159	159
3122	Mycostop	grams			25				25	25
3084	Mycotal	grams								500
3785	NeemAzal T/S	ml								1840
3343	Prestop WP	grams	200	300	350	100	200	900	2050	5450
3321	Previcur Energy	ml					250		250	250
3301	ReduClean	ml			100000				100000	100000
3320	Redusol	ml								300000
3013	Rizolex 50 FW	ml	350	175	80	125	100	305	1135	1360
3044	Roundup Bio (48-16)	ml			5000				5000	5150
3811	Serenade ASO	ml					1690	320	2010	2010
3270	Signum WG	grams				30			30	30
990515	Steinernema feltiae	number	2000000000	1000000000	2000000000		2500000000		7500000000	12000000000
3272	Switch	grams						75	75	75
3367	Trium-G	grams								75
3830	Trium-P	grams	30	60		15	30		135	525
ENERGY										
1	Gas consumption	m3	2396	3497	3764	7274	10561	9548	37040	129028
2	Conversion factor		1	1	1	1	1	1		
3	Caloric value		1	1	1	1	1	1		
4	Electricity from the grid (Total)	kWh	9174	13816	23951	58010	90755	74757	270463	601933
51	Consumed/used oil	litres						9453	9453	9453
6	Green electricity from the grid	kWh						74757	74757	74757

OVERVIEW RECORDED DATA (Continued)

MPS company number: 802932/01

Company name: Gartneriet Lammehave (total)

Valid: Period 1-2021 until Period 13-2021

Version: 17-1-2022

Code	Description	Unit	Period 8	Period 9	Period 10	Period 11	Period 12	Period 13	Subtotal	Year total
FERTILIZERS										
514	Ammonia sulphate	kg		15					15	40
513	Ammonium nitrate	kg		15					15	40
937	Blåsten (Koper)	kg								0,23
543	Calcium ammonium nitrate (KAS)	kg								100
315	Calcium nitrate	litres								25
545	Calcium nitrate (nitrate o	kg			65				65	115
552	Copper sulphate	kg					0,025		0,025	0,095
1015	DAP 18+20+0 (Di-ammonium phosphate)	kg					0,035		0,035	0,035
640	Dolomit kalk	kg	40,29					37,4	77,69	231,25
316	Ferrous chelate DTPA 3%	litres								7
375	Ferrous chelate DTPA 6%	litres					1		1	11
561	Ferrous chelate EDDHA 6%	kg			1		0,5		1,5	5,55
935	Kalisalpeter 13+0+38 Multi-K GG	kg					25		25	125
516	Magnesium sulphate	kg					25		25	125
1030	Mangaansulfaat 31% Mn	kg								0,8
575	Manganese sulphate	kg			0,5				0,5	1,35
1016	Micromax Premium B+Cu+Fe+Mn+Mo+Zn	kg	5,64					2,24	7,88	30,46
579	Molybdenum	kg			0,03		0,01		0,04	0,15
581	Mono-potassium phosphate	kg		5			5		10	35
1050	Osmocote Exact 15+8+11+2MgO+TE	kg								4,12
412	Phosphorsyre 75%	litres			4		1		5	23
959	Pioner Jernchelatoplosning 6% Chelateret MED DTPA	litres			4				4	4
940	Plant-Prod 20+20+20	kg		15	60				75	230
970	Rexolin Q48	kg			0,4				0,4	0,4
414	Salpetersyre 62%	litres			25				25	70
677	Solubor 20.5%	kg								0,44
941	Solubor DF 18	kg					0,035		0,035	0,185
919	TBF 17+10+14+4	kg						14,47	14,47	15,48
989	YaraTera Kristalon Indigo 9+5+25 (9+11+30)	kg			25				25	25
981	YaraTera Rexolin APN	kg			0,5				0,5	0,5
604	Zinc sulphate	kg								0,34
1029	Zinksulfaat	kg								0,25

OVERVIEW RECORDED DATA (Continued)

MPS company number: **802932/01**

Company name: Gartneriet Lammehave (total)

Valid: Period 1-2021 until Period 13-2021

Version: 17-1-2022

Code	Description	Unit	Period 8	Period 9	Period 10	Period 11	Period 12	Period 13	Subtotal	Year total
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ENVIRONMENTAL CLUSTERS

Indoor crops										
4000	UNCULTIVATED	m2	1158	2556	2033	2102	1910	1918		
4030	NURSERY STOCK 1	m2	415	381	796	850	1149	1241		
4061	POT PLANTS 1	m2	1570	1290	1533	1570	1253	1290		
4064	POT PLANTS 4	m2	1795	1715	1787	1558	1434	1732		
4068	POT PLANTS 8	m2	278	278	278	177	177	253		
4070	POT PLANTS REMAINDER	m2	202	177	177	347		170		
Subtotal			5418	6397	6604	6604	5923	6604		
Certified parental material										
661	MPS-ABC certif.parental mat. indoor	m2	4260	3841	6604					

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? flat

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)? >= 15 metres / >= 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: **802932/01**
Company name: Gartneriet Lammehave (total)

Valid: Period 1-2021 until Period 13-2021
Version: 17-1-2022

GENERAL INFORMATION FORM

MPS-OEX

CO2

3953	Do you apply CO2?	No
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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
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3963	Do you have diffuse foil on your foil-greenhouse?	No
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3965	Do you have diffuse screens on your greenhouse?	No
------	---	----

3967	Do you use a diffuse coating on your greenhouse?	No
------	--	----

Waste management

41	Do you process organic waste in a responsible way?	Yes
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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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OVERVIEW RECORDED DATA

MPS company number: **802932/01**
 Company name: Gartneriet Lammehave (total)

Valid: Period 1-2021 until Period 13-2021
 Version: 17-1-2022

Code	Description	Unit	Period 1	Period 2	Period 3	Period 4	Period 5	Period 6	Period 7	Subtotal
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FORM RECEIVED

yes yes yes yes yes yes yes yes

CROP PROTECTION AGENTS

3176 Alette	grams									
990673 Amblyseius / Neoseiulus californicus	number			50000				25000		75000
990395 Amblyseius / Neoseiulus cucumeris	number			3840000			3840000		3840000	11520000
3794 BotaniGard WP	grams									
3798 Geoxe 50 WG	grams									
3366 Gnatrol SC	ml	400	400		10400	10000	10000			31200
3822 Huwa-San TR-50	ml									
990675 Hypoaspis miles / Stratiolaelaps Scimitus	number		125000			125000				250000
3277 Mospilan SG	grams									
3315 Movento SC 100	ml									
3122 Mycostop	grams									
3084 Mycotol	grams							500		500
3785 NeemAzal T/S	ml	400	400		110	780	150			1840
3343 Prestop WP	grams	700	700	400	400	400	400	400		3400
3321 Previcur Energy	ml									
3301 ReduClean	ml									
3320 Redusol	ml				160000	140000				300000
3013 Rizolex 50 FW	ml							225		225
3044 Roundup Bio (48-16)	ml							150		150
3811 Serenade ASO	ml									
3270 Signum WG	grams									
990515 Steinernema feltiae	number		500000000			2000000000	2000000000			4500000000
3272 Switch	grams									
3367 Trium-G	grams		75							75
3830 Trium-P	grams	75		60	60	60	60	75		390

ENERGY

1 Gas consumption	m3		23285	21963	18367	15155	10065	3153		91988
2 Conversion factor		1	1	1	1	1	1	1		
3 Caloric value		1	1	1	1	1	1	1		
4 Electricity from the grid (Total)	kWh		105144	75265	63348	39701	34978	13034		331470
51 Consumed/used oil	litres									
6 Green electricity from the grid	kWh									

OVERVIEW RECORDED DATA (Continued)

MPS company number: **802932/01**

Company name: Gartneriet Lammehave (total)

Valid: Period 1-2021 until Period 13-2021

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Code	Description	Unit	Period 1	Period 2	Period 3	Period 4	Period 5	Period 6	Period 7	Subtotal
FERTILIZERS										
514	Ammonia sulphate	kg			12,5		12,5			25
513	Ammonium nitrate	kg			12,5		12,5			25
937	Blåsten (Koper)	kg				0,08	0,15			0,23
543	Calcium ammonium nitrate (KAS)	kg				50	50			100
315	Calcium nitrate	litres		25						25
545	Calcium nitrate (nitrate o	kg			50					50
552	Copper sulphate	kg			0,07					0,07
1015	DAP 18+20+0 (Di-ammonium phosphate)	kg								
640	Dolomit kalk	kg		35,3			75,58	42,68		153,56
316	Ferrous chelate DTPA 3%	litres		3			4			7
375	Ferrous chelate DTPA 6%	litres			6	4				10
561	Ferrous chelate EDDHA 6%	kg		0,8	1,5	0,75	1			4,05
935	Kalisalpeter 13+0+38 Multi-K GG	kg		25	25	25	25			100
516	Magnesium sulphate	kg		25	25	25	25			100
1030	Mangaansulfaat 31% Mn	kg		0,3			0,5			0,8
575	Manganese sulphate	kg			0,6	0,25				0,85
1016	Micromax Premium B+Cu+Fe+Mn+Mo+Zn	kg		5,8			11,72	5,06		22,58
579	Molybdenum	kg			0,04	0,02	0,05			0,11
581	Mono-potassium phosphate	kg		5	10	5	5			25
1050	Osmocote Exact 15+8+11+2MgO+TE	kg						4,12		4,12
412	Phosphorsyre 75%	litres		3	6	3	6			18
959	Pioner Jernchelatoplosning 6% Chelateret MED DTPA	litres								
940	Plant-Prod 20+20+20	kg				75			80	155
970	Rexolin Q48	kg								
414	Salpetersyre 62%	litres		25		20				45
677	Solubor 20.5%	kg		0,1		0,11	0,23			0,44
941	Solubor DF 18	kg			0,15					0,15
919	TBF 17+10+14+4	kg						1,01		1,01
989	YaraTera Kristalon Indigo 9+5+25 (9+11+30)	kg								
981	YaraTera Rexolin APN	kg								
604	Zinc sulphate	kg				0,11	0,23			0,34
1029	Zinksulfaat	kg		0,1	0,15					0,25

OVERVIEW RECORDED DATA (Continued)

MPS company number: **802932/01**

Valid: Period 1-2021 until Period 13-2021

Company name: Gartneriet Lammehave (total)

Version: 17-1-2022

Code	Description	Unit	Period 1	Period 2	Period 3	Period 4	Period 5	Period 6	Period 7	Subtotal
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ENVIRONMENTAL CLUSTERS

Indoor crops										
4000	UNCULTIVATED	m2	37	0	1450	110	1924	1688	2101	
4030	NURSERY STOCK 1	m2	1408	1388	1278	986	754	527	319	
4061	POT PLANTS 1	m2	1869	1803	1785	1840	1770	1789	1643	
4064	POT PLANTS 4	m2	1590	1646	1671	1908	1680	2156	2053	
4068	POT PLANTS 8	m2	228	224	243	243	272	291	335	
4070	POT PLANTS REMAINDER	m2	152	202	177	177	202	152	152	
Subtotal			5284	5263	6604	5264	6602	6603	6603	
Certified parental material										
661	MPS-ABC certif.parental mat. indoor	m2	5284	5263	5154	5154	4678	4915	4502	

CO2 Indicator

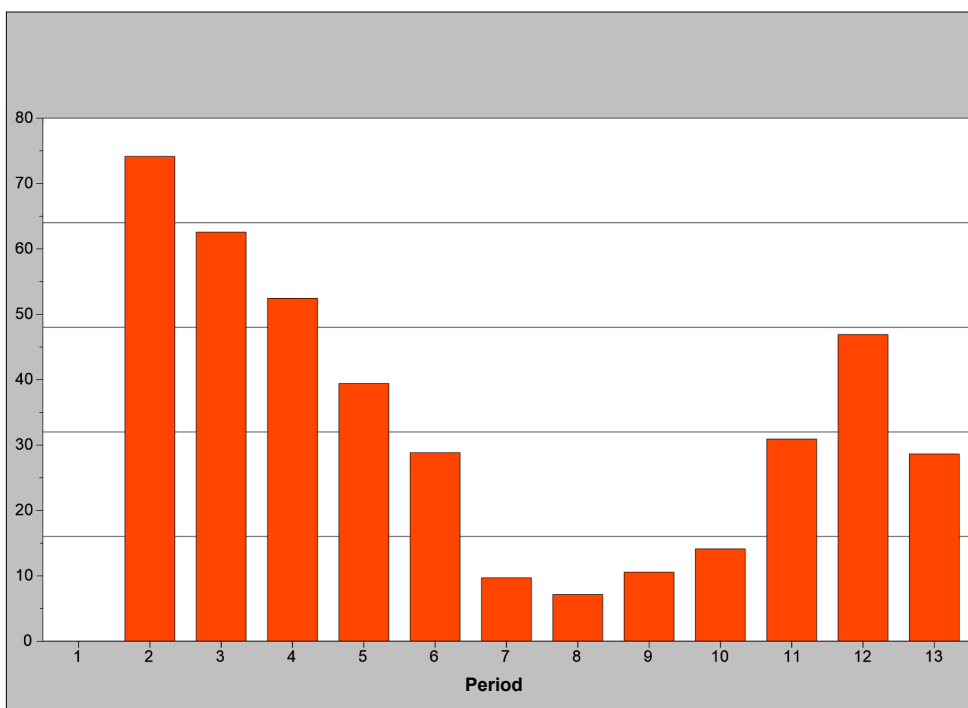
MPS company number: **802932/01**
Company name: Gartneriet Lammehave

Valid: Period 1-2021 until Period 13-2021
Version: 17-1-2022

Review CO2-emission per energy source per year (x 1000 kg)

Code		CO2 production (x 1000)
1	Gas consumption	231
4	Electricity from the grid (Total)	185
51	Consumed/used oil	12
6	Green electricity from the grid	-23
Total		405

Review CO2-emission per period (x 1000 kg)



Disclaimer: the purpose of the above mentioned table and graphics is to give an insight in the CO2-emission on company level. The CO2 emission has been based on the energy consumption in GJ and the internationally accepted arithmetic rules. The calculation of the quantity in GJ is based on the calculation system of MPS for the fuel used by the company and the electricity and heating that has been bought and sold. The review serves only as a management tool. No rights can be derived. It is not allowed to use this review for other purposes. In cooperation with (inter)national stakeholders and research organizations MPS is working on further developments concerning CO2. We mainly focus on CO2 emission in the transport chain and the CO2 emission per physical production.