



Certificate

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

**Gartneriet Timmermann A/S
Skovgyden 10
5450 OTTERUP
Denmark
MPS-number: 760055**

Applicable to environmental clusters:

BEDDING PLANTS/PERENNIALS; HERBACEOUS PERENNIALS

POT PLANTS 2; POT PLANTS 4; POT PLANTS REMAINDER; POT PLANTS REMAIN. par-mat

Validity: **9-3-2022 valid up to and including 22-5-2022**

Total points: **93,3**

Qualification: **A**

Kind regards,
MPS-ECAS

Signature:

Date of issue:
9-3-2022

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: **760055/01**
 Company name: Gartneriet Timmermann A/S (total)

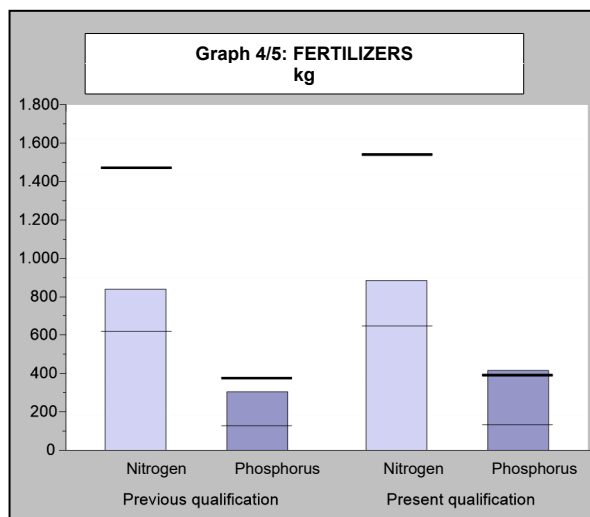
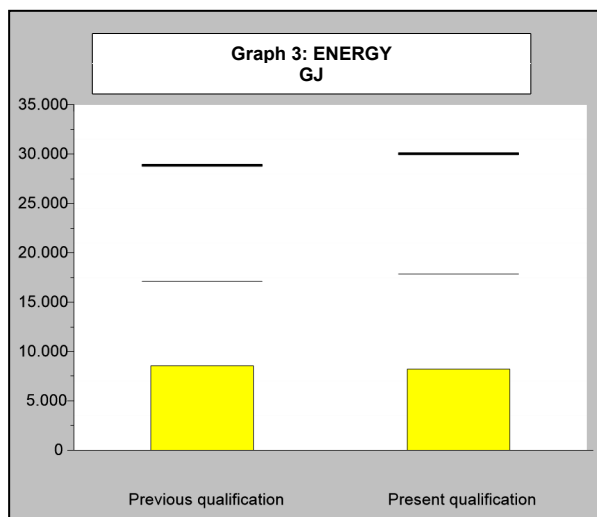
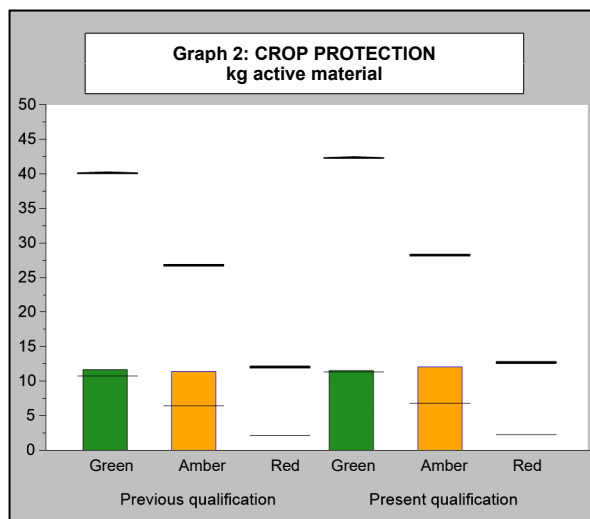
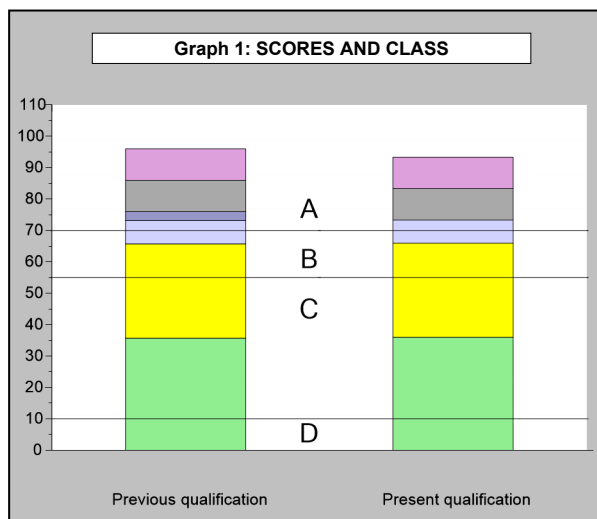
Valid: Period 1-2021 until Period 13-2021
 Version: 9-3-2022

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	11,3-42,4 kg	11,5	11,9	12			
	Amber	6,8-28,2 kg	12,1	12,1	16			
	Red	2,3-12,7 kg	0	12	12			
total				36	40	85 %	89,9 %	yes
Energy total		17848,7-30050,5 GJ	8227,7	30	30	75 %	100 %	yes
Fertilizers	Nitrogen	647,9-1541,3 kg	884,7	7,3	10			
	Phosphorus	133,2-391,6 kg	416	0	10			
total				7,3	20	75 %	36,7 %	no
Waste		0-130	130	10	10			
Water								
Certified parental material				10	10			
Total score (points)				93,3	110	90	97,7	yes
COMPANY QUALIFICATION				A				

COMPANY USAGE PER 13 PERIODS

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

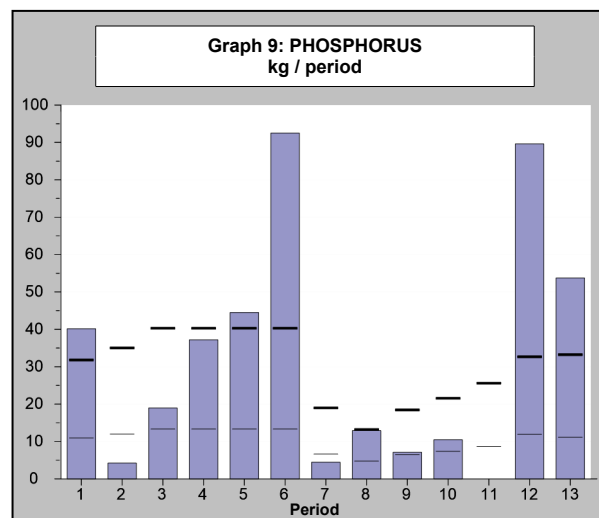
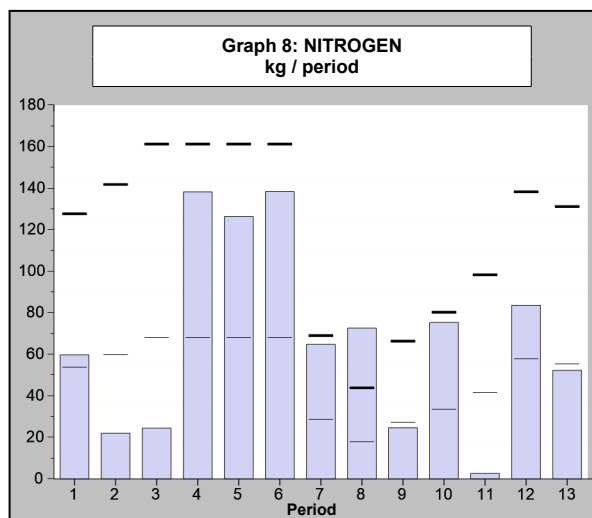
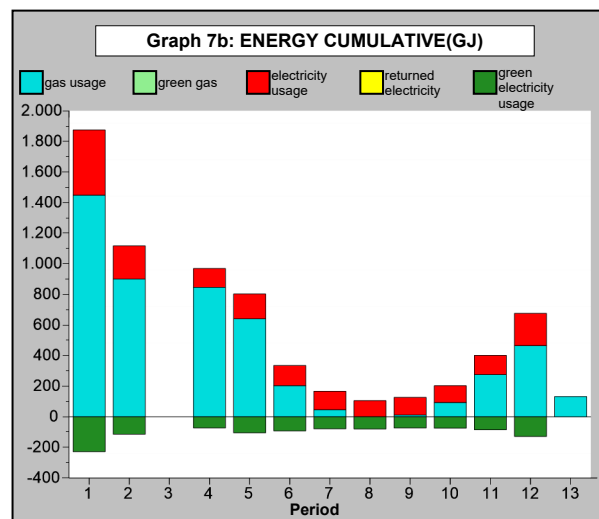
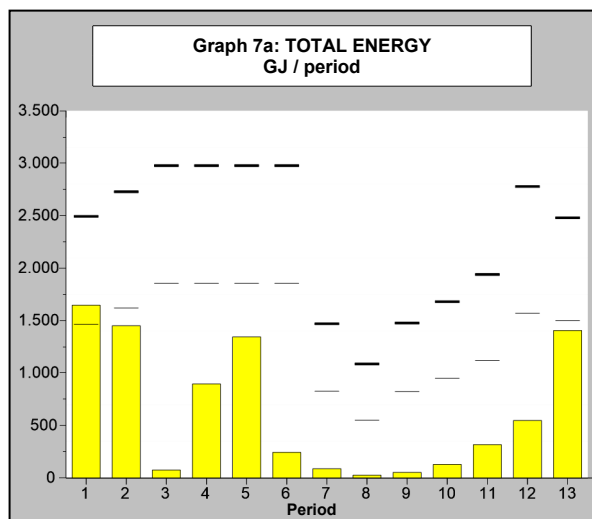
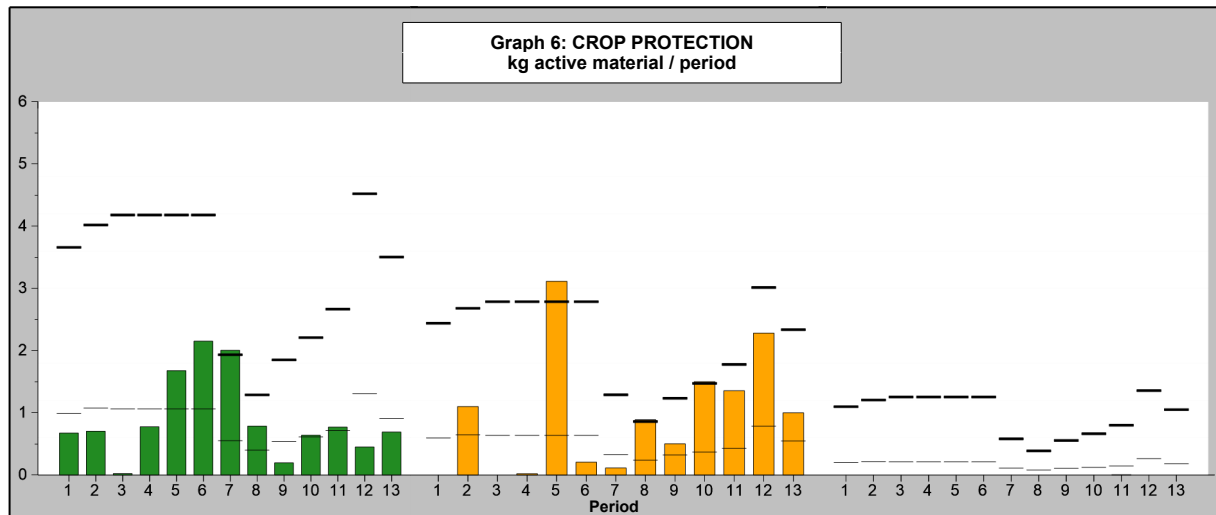


QUALIFICATION AND PERIOD GRAPHS

MPS company number: **760055/01**
 Company name: Gartneriet Timmermann A/S (total)

Valid: Period 1-2021 until Period 13-2021
 Version: 9-3-2022

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



MPS-Overview Composition of Qualification

MPS company number: **760055/01**
 Company name: Gartneriet Timmermann A/S (total)

Valid: Period 1-2021 until Period 13-2021
 Version: 9-3-2022

Composition of points MPS environmentally certified parental material

Certified parental material	(Average) area	Your Points	Max points
Total cultivated area 1)	15884,3 m2		
Area certified parental material MPS-ABC	22791,7 m2	14,3	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 2	Zone 2	Zone 2	Zone 2	Zone 2	Zone 2	Zone 2	Zone 2	Zone 2	Zone 2	Zone 2	Zone 2	Zone 2

Company usage of MPS-MIND

Pesticide	Indicator color	active ingredient	Annual company use of active substance		
			Green	Amber	Red
Aliette	●	fosetyl-aluminium	0,096		
Barclay Gallup Super 360	●	glyphosate		2,574	
Fastac 50	●	alpha-cypermethrin			0,005
Geoxe 50 WG	●	fludioxonil	0,010		
Glypper	●	glyphosate-isopropyl ammonium	0,144		
Gnatrol SC	○	bacillus thuringiensis			
Husholdningssprit 93%	○	ethanol			
Kompact 5C	●	chlormequat chloride	2,116		
	●	choline chloride	1,472		
Menno Florades	●	benzoic acid	0,923		
Mospilan SG	●	acetamiprid	0,030		
Previcur Energy	●	fosetyl-aluminium	2,200		
	●	propamocarb	3,762		
Rizolex 50 FW	●	tolclofos-methyl		1,639	
Signum WG	●	boscalid	0,342		
	●	pyraclostrobin	0,086		
Teppeki	●	flonicamid	0,353		
Trianum-P	○	trichoderma harzianum			
Vertimec	●	abamectin		0,001	
Annual company use of active substance			11,532	4,213	0,005

OVERVIEW RECORDED DATA

MPS company number: **760055/01**
 Company name: Gartneriet Timmermann A/S (total)

Valid: Period 1-2021 until Period 13-2021
 Version: 9-3-2022

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			250		250		500	1200
990395	Amblyseius / Neoseiulus cucumeris	number								1500000
990424	Aphidius colemani	number								12000
990381	Aphidoletes aphidimyza	number								12000
3369	Barclay Gallup Super 360	ml					6000		6000	7150
3224	Fastac 50	ml				108			108	108
3798	Geoxe 50 WG	grams				20			20	20
3828	Glypper	ml								300
3366	Gnatrol SC	ml								6000
3879	Halamid	grams	500	500	1000	1300	60	1000	4360	7860
3344	Husholdningssprit 93%	ml		20					20	28
990675	Hypoaspis miles / Stratiolaelaps Scimitus	number					250000	250000	500000	1500000
3276	Kompact 5C	ml	600						600	4600
3153	Menno Florades	ml	1140	1000	800	950	600	1690	6180	10250
3277	Mospilan SG	grams	150						150	150
990690	Orius majusculus	number								24000
3321	Previcur Energy	ml	125	125	650	750	208	640	2498	7098
3013	Rizolex 50 FW	ml	775		1000	110	120		2005	3277
3270	Signum WG	grams				130	600		730	1280
990515	Steinernema feltiae	number					4000000	4000000	8000000	8000000
3293	Teppeki	grams	160						160	705
3830	Trianum-P	grams	500	500	500	500			2000	2500
3251	Vertimec	ml		50					50	50
WATER										
21	Total irrigation	m3	575	551	435	428	369	133	2491	6690
ENERGY										
1	Gas consumption	m3		342	2665	7845	13271	3771	27894	144279
2	Conversion factor			1	1	1	1	1		
3	Caloric value			1	1	1	1	1		
4	Electricity from the grid (Total)	kWh	19200	20895	19899	22910	38290		121194	336149
54	Diesel oil/fuel	litres	5	5	5	5	5	35877	35902	68886
6	Green electricity from the grid	kWh	14400	13373	13531	15350	23357		80011	205637

OVERVIEW RECORDED DATA (Continued)

MPS company number: **760055/01**
 Company name: Gartneriet Timmermann A/S (total)

Valid: Period 1-2021 until Period 13-2021
 Version: 9-3-2022

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

FERTILIZERS

513	Ammonium nitrate	kg	19	7	23				49	159
519	Calcium chloride 80%/85%	kg	25		50				75	325
315	Calcium nitrate	litres	75	25	90				190	627
640	Dolomit kalk	kg					2500	1500	4000	6265,85
924	Fosfit 0+12+22	litres	14	7	7				28	74
935	Kalisalpeter 13+0+38 Multi-K GG	kg	275	75	325				675	2385
980	Loker L 2+8+6+3.3MgO	litres								200
572	Magnesium nitrate	kg	57	10	85				152	583,9
622	Mono-calcium phosphate	kg								71
425	NPK 14+16+18	kg					560	336	896	1867
412	Phosporsyre 75%	litres	46	26	41				113	346
970	Rexolin Q48	kg	3	2	1,4				6,4	16,8
414	Salpetersyre 62%	litres	125	75	25	25	50	50	350	925
415	Sulphuric Acid 96%	litres								140
981	YaraTera Rexolin APN	kg	13	4	14				31	109

ENVIRONMENTAL CLUSTERS

Indoor crops										
4000	UNCULTIVATED	m2	18014	15516	12774	9575		5550		
4013	BEDDING PLANTS/PERENNIALS	m2	982	1185	1190	1317	9895	1532		
4058	HERBACEOUS PERENNIALS	m2	173		1738	3379	3379	3737		
4062	POT PLANTS 2	m2	1848	4271	4868	6046	6527	8798		
4064	POT PLANTS 4	m2	619	850	999	883	617			
4070	POT PLANTS REMAINDER	m2	1225	1039	1074	1527	2294	3135		
5070	POT PLANTS REMAIN. par-mat	m2	139	139	357	273	288	248		
Subtotal			23000	23000	23000	23000	23000	23000		
Certified parental material										
661	MPS-ABC certif.parental mat. indoor	m2	23000	23000	23000	23000	23000	23000		

OVERVIEW RECORDED DATA (Continued)

MPS company number: **760055/01**
Company name: Gartneriet Timmermann A/S (total)

Valid: Period 1-2021 until Period 13-2021
Version: 9-3-2022

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? 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? 95% or more

CO2

3953 Do you apply CO2? No

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? 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

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: **760055/01**
 Company name: Gartneriet Timmermann A/S (total)

Valid: Period 1-2021 until Period 13-2021
 Version: 9-3-2022

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 yes

CROP PROTECTION AGENTS

3176	Aliette	grams	200			250			250	700
990395	Amblyseius / Neoseiulus cucumeris	number				500000	500000	250000	250000	1500000
990424	Aphidius colemani	number				4000	4000	2000	2000	12000
990381	Aphidoletes aphidimyza	number				4000	4000	2000	2000	12000
3369	Barclay Gallup Super 360	ml					1000	150		1150
3224	Fastac 50	ml								
3798	Geoxe 50 WG	grams								
3828	Glypper	ml					300			300
3366	Gnatrol SC	ml							6000	6000
3879	Halamid	grams		1000			2500			3500
3344	Husholdningssprit 93%	ml		4				4		8
990675	Hypoaspis miles / Stratiolaelaps Scimitus	number				375000	375000	125000	125000	1000000
3276	Kompact 5C	ml				300	700	1300	1700	4000
3153	Menno Florades	ml	740	800	230		940	670	690	4070
3277	Mospilan SG	grams								
990690	Orius majusculus	number				8000	8000	4000	4000	24000
3321	Previcur Energy	ml	600	750		400	950	1200	700	4600
3013	Rizolex 50 FW	ml		200		40	507	300	225	1272
3270	Signum WG	grams				550				550
990515	Steinernema feltiae	number								
3293	Teppeki	grams	175				210	140	20	545
3830	Trianum-P	grams	500							500
3251	Vertimec	ml								

WATER

21	Total irrigation	m3	286	305		515	1245	990	858	4199
----	------------------	----	-----	-----	--	-----	------	-----	-----	------

ENERGY

1	Gas consumption	m3	41273	25652		24094	18262	5780	1324	116385
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	77584	39506		22465	29370	24172	21858	214955
54	Diesel oil/fuel	litres		12617	2121		18236	5	5	32984
6	Green electricity from the grid	kWh	41582	20812		13254	19091	16679	14208	125626

OVERVIEW RECORDED DATA (Continued)

MPS company number: **760055/01**
 Company name: Gartneriet Timmermann A/S (total)

Valid: Period 1-2021 until Period 13-2021
 Version: 9-3-2022

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

FERTILIZERS

513	Ammonium nitrate	kg	5	7		41	22	25	10	110
519	Calcium chloride 80%/85%	kg	25			75	75	25	50	250
315	Calcium nitrate	litres	25	25		155	100	82	50	437
640	Dolomit kalk	kg	1023,6		532,7		613,55	96		2265,85
924	Fosfit 0+12+22	litres		7		16	8	15		46
935	Kalisalpeter 13+0+38 Multi-K GG	kg	125	75		525	450	285	250	1710
980	Loker L 2+8+6+3.3MgO	litres				200				200
572	Magnesium nitrate	kg	37	9,9		133	121	57	74	431,9
622	Mono-calcium phosphate	kg				48	23			71
425	NPK 14+16+18	kg	223,1		118,6		134,3	495		971
412	Phosporsyre 75%	litres	20	13		60	73	47	20	233
970	Rexolin Q48	kg		1,4		4	2	3		10,4
414	Salpetersyre 62%	litres	25	50	75	125	125	50	125	575
415	Sulphuric Acid 96%	litres				100	40			140
981	YaraTera Rexolin APN	kg	5	4		25	20	14	10	78

ENVIRONMENTAL CLUSTERS

Indoor crops										
4000	UNCULTIVATED	m2	4763	2739	1548	1548	1548	1548	14673	
4013	BEDDING PLANTS/PERENNIALS	m2	3872	4040	1190	1190	1190	1190	1247	
4058	HERBACEOUS PERENNIALS	m2	3402	3925	3980	3980	3980	3980	736	
4062	POT PLANTS 2	m2	7130	7991	11497	11497	11497	11497	4852	
4064	POT PLANTS 4	m2	89						293	
4070	POT PLANTS REMAINDER	m2	3405	4003	4108	4108	4108	4108	1199	
5070	POT PLANTS REMAIN. par-mat	m2	339	302						
Subtotal			23000	23000	22323	22323	22323	22323	23000	
Certified parental material										
661	MPS-ABC certif.parental mat. indoor	m2	23000	23000	22323	22323	22323	22323	23000	

CO2 Indicator

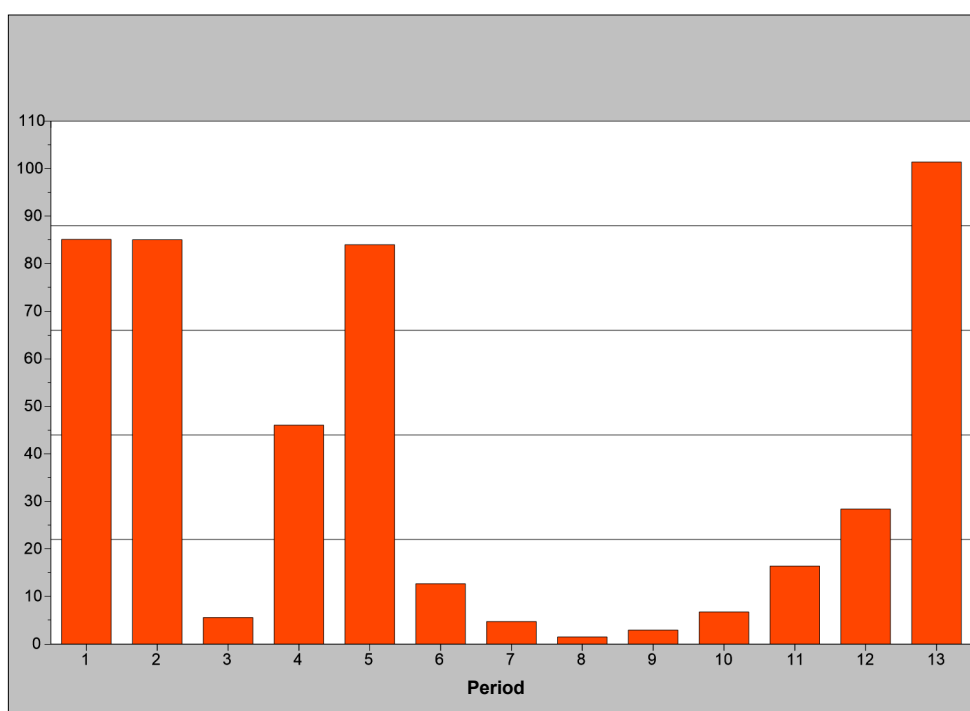
MPS company number: **760055/01**
Company name: Gartneriet Timmermann A/S

Valid: Period 1-2021 until Period 13-2021
Version: 9-3-2022

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

Code		CO2 production (x 1000)
1	Gas consumption	259
54	Diesel oil/fuel	182
4	Electricity from the grid (Total)	104
6	Green electricity from the grid	-63
Total		482

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.