



Certificate

MPS-ECAS awards this certificate in accordance with the certification standard MPS-ABC version 16, to:

**Gartneriet Lundegaard ApS
Espestok 54Gl. Korup
5210 ODENSE
Denmark
MPS-number: 804454**

Applicable to environmental clusters:
POT PLANTS 2; POT PLANTS REMAINDER; POT PLANTS 5

Validity: **29-1-2024 valid up to and including 19-5-2024**
Total points: **101,8**
Qualification: **A**

Kind regards,
MPS-ECAS

Signature:

Date of issue:
4-1-2024

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: **804454/01**
 Company name: Gartneriet Lundegaard ApS (total)

Valid: Period 1-2023 until Period 13-2023
 Version: 4-1-2024

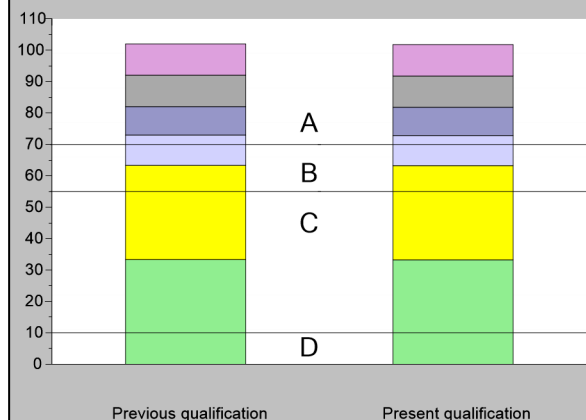
Table 1: DATA QUALIFICATIONS

SUBJECT		Your Company standard	Your use	Your points	max. points	A+ standard	A+ score	Obtained
		Lower- Upper limit						
Crop protection	Green	4.3-16,8 kg	11,3	5,2	12			
	Amber	2.6-11,2 kg	0,7	16	16			
	Red	0.9-5 kg	0	12	12			
total				33,2	40	85 %	83,1 %	no
Energy total		8801,4-14440,3 GJ	4860,4	30	30	75 %	100 %	yes
Fertilizers	Nitrogen	295,9-702,6 kg	310,9	9,6	10			
	Phosphorus	59,2-174,2 kg	71,3	8,9	10			
total				18,6	20	75 %	92,8 %	yes
Waste		0-130	130	10	10			
Water								
Certified parental material				10	10			
Total score (points)				101,8	110	90	101,8	yes
COMPANY QUALIFICATION				A				

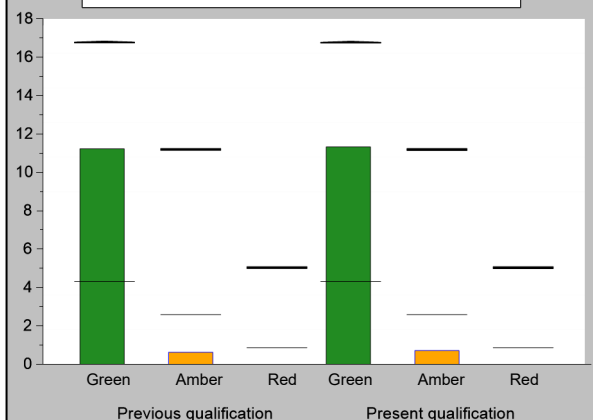
COMPANY USAGE PER 13 PERIODS

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

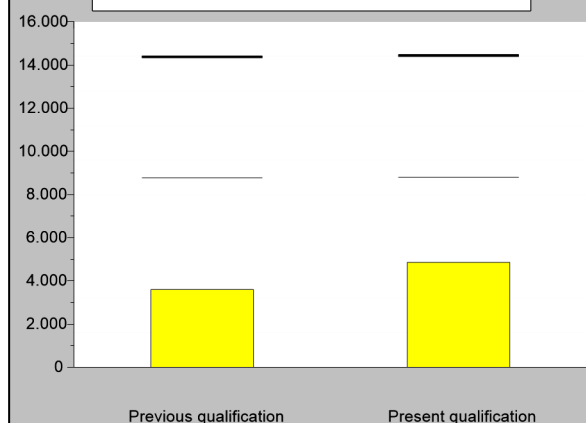
Graph 1: SCORES AND CLASS



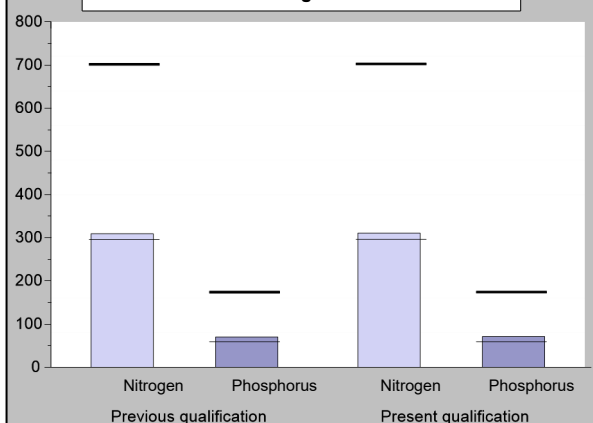
**Graph 2: CROP PROTECTION
kg active material**



**Graph 3: ENERGY
GJ**



**Graph 4/5: FERTILIZERS
kg**

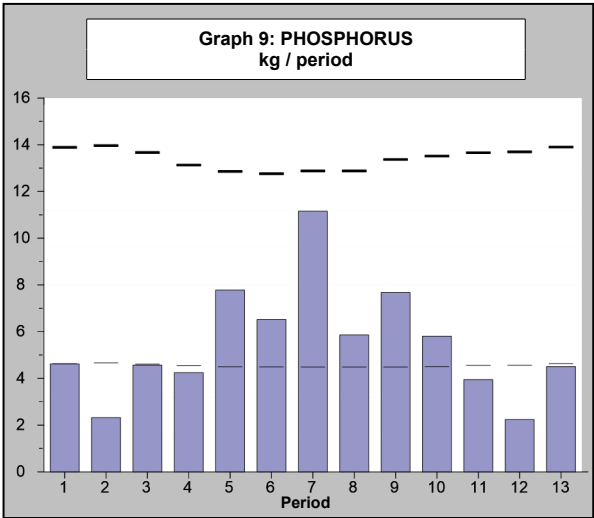
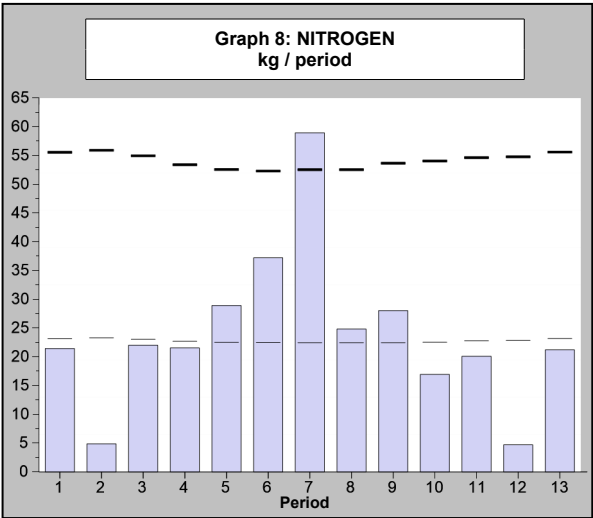
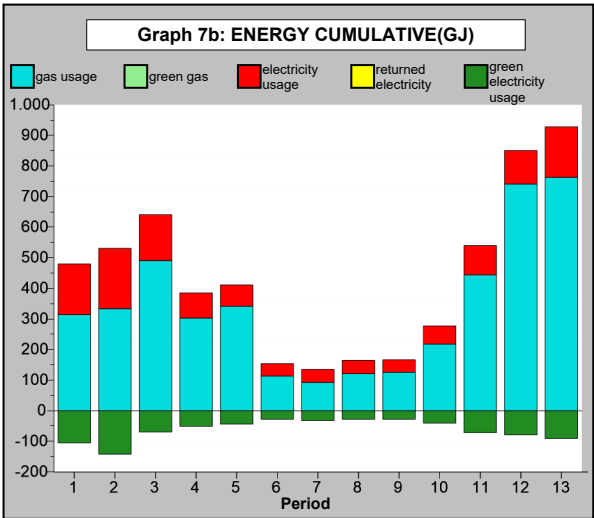
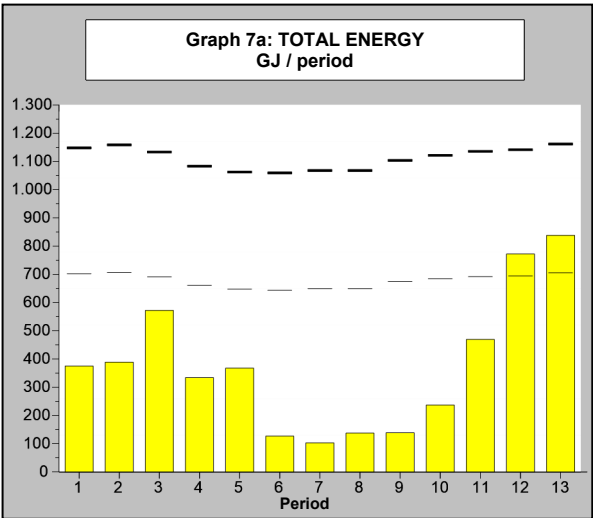
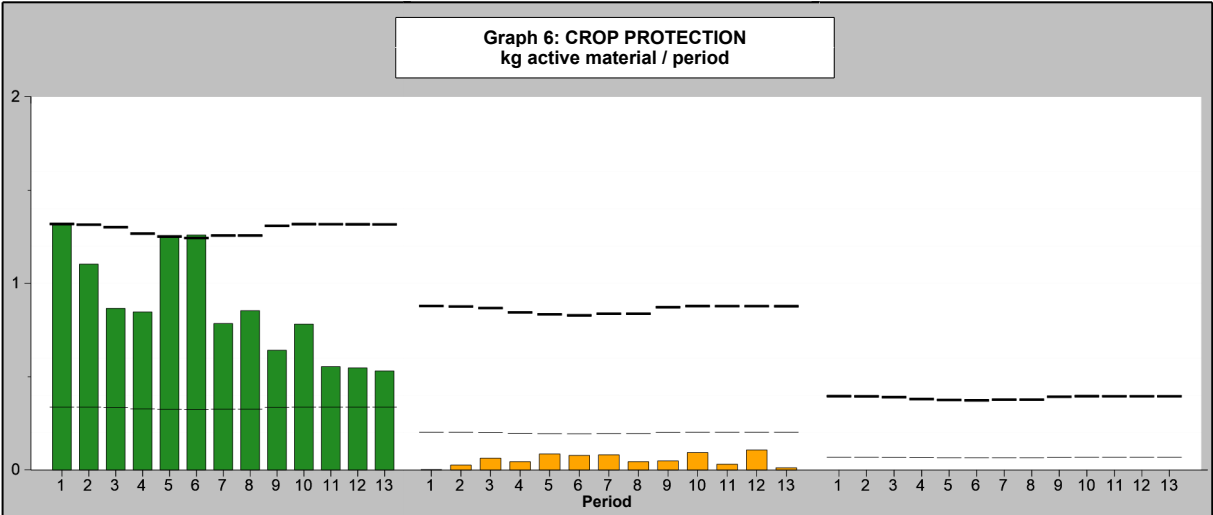


QUALIFICATION AND PERIOD GRAPHS

MPS company number: 804454/01
Company name: Gartneriet Lundegaard ApS (total)

Valid: Period 1-2023 until Period 13-2023
Version: 4-1-2024

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



MPS-Overview Composition of Qualification

MPS company number: **804454/01**
 Company name: Gartneriet Lundegaard ApS (total)

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 Version: 4-1-2024

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				4,3-16,8 kg	11,3 kg
	Amber				2,6-11,2 kg	0,7 kg
	Red				0,9-5 kg	0 kg
Energy		8680,1-14241,3 GJ		1,4 %	8801,4-14440,3 GJ	
Nitrogen (N)		291,8-693 kg		1,4 %	295,9-702,6 kg	
Phosphorus (P)		58,4-171,8 kg		1,4 %	59,2-174,2 kg	

Composition of points MPS environmentally certified parental material

Certified parental material	(Average) area	Your Points	Max points
Total cultivated area 1)	5837 m2		
Area certified parental material MPS-ABC	5837 m2	10	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
Alar 85 SG	●	daminozide	1,845		
ATR Sneglekorn (Snail Grains)	●	ferric phosphate	0,179		
Attracker	○	sugar			
Azatin EC	●	azadirachtin	0,158		
Caryx	●	mepiquat chloride	0,025		
	●	metaconazole		0,004	
Conserve	●	spinosad	0,081		
Dazide Enhance	●	daminozide	2,653		
Elasto G5	○	wetting/sticker agents other			
Fiba-Zorb (liquid)	○	wetting/sticker agents other			
Geoxe 50 WG	●	fludioxonil	0,108		
Gnatrol SC	○	bacillus thuringiensis			
Lalstop G46 WG	○	fungus			
Movento SC 100	●	spirotetramat	0,013		
Pediment	●	pirimicarb		0,125	
Per aqua	○	hydrogen peroxide			
	○	peroxyacetic acid			
Pirouette	●	paclobutrazol		0,542	
Previcur Energy	●	fosetyl-aluminium	1,657		
	●	propamocarb	2,833		
Proplant	●	propamocarb	0,067		
Signum WG	●	boscalid	0,714		
	●	pyraclostrobin	0,179		
Sluxx	●	ferric phosphate	0,186		

MPS-Overview Composition of Qualification

MPS company number: 804454/01
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Valid: Period 1-2023 until Period 13-2023
Version: 4-1-2024

Company usage of MPS-MIND

Pesticide	Indicator color	active ingredient	Annual company use of active substance		
			Green	Amber	Red
Switch	●	cyprodinil	0,231		
Switch	●	fludioxonil	0,154		
Teldor WG 50	●	fenhexamid	0,063		
Teppeki	●	flonicamid	0,184		
Vertimec	●	abamectin		0,043	
Annual company use of active substance			11,330	0,714	0

OVERVIEW RECORDED DATA

MPS company number: **804454/01**
 Company name: Gartneriet Lundegaard ApS (total)

Valid: Period 1-2023 until Period 13-2023
 Version: 4-1-2024

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										
3023	Alar 85 SG	grams					224		224	2171
990395	Amblyseius / Neoseiulus cucumeris	number	400000	300000	350000	50000		100000	1200000	3200000
990424	Aphidius colemani	number	6000	6000	6000	6000	6000	4000	34000	84000
990688	Aphidius ervi	number	1500	1500	1500	1500	1500	1250	8750	17000
990381	Aphidoletes aphidimyza	number	4000		2000	2000			8000	16000
3868	ATR Sneglekorn (Snail Grains)	grams	1325	276					1601	7382
3334	Attracker	ml				820			820	820
3847	Azatin EC	ml	1362	520	680	415	790		3767	6092
3352	Caryx	ml								120
3205	Conserve	ml	260		419				679	679
3809	Dazide Enhance	grams	448	394	266	235		350	1693	3121
3305	Elasto G5	ml	640	560	380	570	640	910	3700	10700
3348	Fiba-Zorb (liquid)	ml	2041	3606	2284	957	1820	2372	13080	29480
3798	Geoxe 50 WG	grams				173			173	216
3366	Gnatrol SC	ml	2940	5415	2275	1516	1336	6395	19877	58016
990675	Hypoaspis miles / Stratiolaelaps Scimitus	number	1125000	750000	625000	500000	500000	850000	4350000	13100000
3910	Lalstop G46 WG	grams			100		100	200	400	750
3315	Movento SC 100	ml						132	132	132
3881	Pediment	grams			67		183		250	250
3307	Per aqua	ml	88000	198000	88000	66000	110000	110000	660000	1298000
3271	Pirouette	ml	10905	11520	11790	3960	3754	2955	44884	135590
3321	Previcur Energy	ml	345	270	340	240	240	180	1615	5345
3248	Proplant	ml								105
3270	Signum WG	grams	40	103	20	16	16	12	207	2673
3328	Sluxx	grams			6210				6210	6210
990515	Steinernema feltiae	number	238000000	468000000	200000000	174000000	111000000	482000000	1673000000	4803000000
3272	Switch	grams	63			30	178	76	347	616
3183	Teldor WG 50	grams			18	36	36	36	126	126
3293	Teppeki	grams	63	52		27			142	367
3251	Vertimec	ml		170	660	820			1650	2407

WATER

21	Total irrigation	m3	248	225	203	110	167	98	1051	2171
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OVERVIEW RECORDED DATA (Continued)

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Valid: Period 1-2023 until Period 13-2023
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Code	Description	Unit	Period 8	Period 9	Period 10	Period 11	Period 12	Period 13	Subtotal	Year total
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ENERGY

1	Gas consumption	m3	3456	3591	6214	12649	21122	21748	68780	125489
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	7958	7391	10807	17567	19882	29998	93603	229417
6	Green electricity from the grid	kWh	5014	5026	7349	13000	14315	16499	61203	146571

LIGHTING

550012	HP-Na 600W 230V Conv.	Hour	1		1	1	1	1		
		Number								
		kWatt	27		2168	9309	11042	20951		

FERTILIZERS

513	Ammonium nitrate	kg	0,3						0,3	0,9
545	Calcium nitrate (nitrate o	kg	48	46		46		46	186	606
635	Fosmagnit	litres	0,8						0,8	2,4
935	Kalisalpeter 13+0+38 Multi-K GG	kg	53,2	50	50	50		50	253,2	712,8
647	Kaliumsulfat (44% K2O)	kg	25	43	25	25		25	143	368
638	Kalk	kg	82,72	140,62	137	42,61	74,54	93,96	571,45	1228,67
572	Magnesium Nitrat 11+0+0	kg	20,9	20	20	20		20	100,9	283,6
516	Magnesium sulphate	kg	18		18	18		18	72	198
666	Micromax (7.5%CaO+12%Fe+37.5% SO3)	kg	1,25	2,028	1,36	0,704	1,135	1,41	7,887	17,664
581	Mono-potassium phosphate	kg	9	9	9	9		9	45	126
420	NPK 12+6+20	kg	16,44	26,77	18,04	9,286	14,98	18,63	104,146	233,18
412	Phosphorsyre 75%	litres	12	18	12	6	6	6	60	126
453	Pioner Jernchlat 5% HEEDTA	litres								36,2
457	Pioner Mikro Plus med Jern (1.92%)	litres	18,1	18	18	18		18	90,1	216,2
414	Salpetersyre 62%	litres	56	84	56	28	28	28	280	588

ENVIRONMENTAL CLUSTERS

	Indoor crops									
4062	POT PLANTS 2	m2	880	980	761	702	609	500		
4065	POT PLANTS 5	m2	767	127						
4070	POT PLANTS REMAINDER	m2	4190	4730	5076	5135	5228	5337		
	Subtotal		5837	5837	5837	5837	5837	5837		

OVERVIEW RECORDED DATA (Continued)

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Code	Description	Unit	Period 8	Period 9	Period 10	Period 11	Period 12	Period 13	Subtotal	Year total
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Certified parental material

661 MPS-ABC certif.parental mat. indoorm2583758375837583758375837

GENERAL INFORMATION FORM

MPS-Mind

Surface water

3900What is the minimum distance of this location to the nearest surface water?

250 - 2500 metres / 820 - 8200 feet

Cover

3910Does the surface of protected cultivation exceed 95% of this location?

Yes

Slope

3902What is the maximum slope of a plot on this location?

flat

Leaching to groundwater

3903Do you grow more than 95% of your crops in a closed (recirculation) system, with less than 3% loss of drainwater?

Yes

MPS-OEX

Sidescreens:

3950Are sidescreens being used during lighting in the night?

Yes

Topscreens:

3951Are topscreens being used during lighting in the night?

Yes

3952If yes, what is the percentage of light-reduction?

95% or more

CO2

3953Do you apply CO2?

No

Substrate

3957Do you cultivate cut flowers on substrate?

No

Diffuse light

3961Do you have diffuse glass on your greenhouse?

No

3963Do you have diffuse foil on your foil-greenhouse?

No

3965Do you have diffuse screens on your greenhouse?

No

3967Do you use a diffuse coating on your greenhouse?

No

OVERVIEW RECORDED DATA (Continued)

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GENERAL INFORMATION FORM

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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FORM RECEIVED			yes	yes	yes	yes	yes	yes	yes	
CROP PROTECTION AGENTS										
3023	Alar 85 SG	grams	357	547	539	504				1947
990395	Amblyseius / Neoseiulus cucumeris	number	400000	200000	200000	150000	250000	400000	400000	2000000
990424	Aphidius colemani	number	12000	9000	6000	4000	8000	5000	6000	50000
990688	Aphidius ervi	number		750	1500	1250	1750	1500	1500	8250
990381	Aphidoletes aphidimyza	number						4000	4000	8000
3868	ATR Sneglekorn (Snail Grains)	grams				552	1472	2285	1472	5781
3334	Attracker	ml								
3847	Azatin EC	ml			675	510	690	450		2325
3352	Caryx	ml				16	8		96	120
3205	Conserve	ml								
3809	Dazide Enhance	grams					602	420	406	1428
3305	Elasto G5	ml	1020	2880		1060	860	600	580	7000
3348	Fiba-Zorb (liquid)	ml	2651	2034	2165	1728	3516	2265	2041	16400
3798	Geoxe 50 WG	grams							43	43
3366	Gnatrol SC	ml	11170	3420	10050	4274	6660		2565	38139
990675	Hypoaspis miles / Stratiolaelaps Scimitus	number	1125000	1000000	1000000	1500000	1375000	1500000	1250000	8750000
3910	Lalstop G46 WG	grams		150				200		350
3315	Movento SC 100	ml								
3881	Pediment	grams								
3307	Per aqua	ml	110000	110000	110000		88000	88000	132000	638000
3271	Pirouette	ml	388	6601	15675	10970	21402	19540	16130	90706
3321	Previcur Energy	ml	835	570	360	345	525	735	360	3730
3248	Proplant	ml			105					105
3270	Signum WG	grams	792	404	62	296	550	320	42	2466
3328	Sluux	grams								
990515	Steinernema feltiae	number	924000000	374000000	675000000	325000000	470000000	362000000		3130000000
3272	Switch	grams	70				89	110		269
3183	Teldor WG 50	grams								
3293	Teppeki	grams		48				85	92	225
3251	Vertimec	ml							757	757

WATER

21	Total irrigation	m3	81	70	95	89	353	195	237	1120
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OVERVIEW RECORDED DATA (Continued)

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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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ENERGY

1	Gas consumption	m3	8941	9509	13996	8633	9744	3240	2646	56709
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	30196	35817	27245	14941	12599	7366	7650	135814
6	Green electricity from the grid	kWh	19024	25788	12533	9263	7937	5009	5814	85368

LIGHTING

550012	HP-Na 600W 230V Conv.	Hour	1	1	1	1	1	1		
		Number								
		kWatt	20457	25655	17745	8083	1814	397		

FERTILIZERS

513	Ammonium nitrate	kg			0,3		0,3			0,6
545	Calcium nitrate (nitrate o	kg	46		48	48	48	92	138	420
635	Fosmagnit	litres			0,8		0,8			1,6
935	Kalisalpeter 13+0+38 Multi-K GG	kg	50		53,2	53,2	53,2	100	150	459,6
647	Kaliumsulfat (44% K2O)	kg	25		25	25	25	50	75	225
638	Kalk	kg	105,29	82,46	87,31	71,14	137,29	91,01	82,72	657,22
572	Magnesium Nitrate 11+0+0	kg	20		20,9	20,9	20,9	40	60	182,7
516	Magnesium sulphate	kg	18		18	18	18	36	18	126
666	Micromax (7.5%CaO+12%Fe+37.5% SO3)	kg	1,55	1,242	1,31	1,089	1,983	1,357	1,246	9,777
581	Mono-potassium phosphate	kg	9		9	9	9	18	27	81
420	NPK 12+6+20	kg	20,47	16,394	17,26	14,375	26,175	17,92	16,44	129,034
412	Phosporsyre 75%	litres	6	6	6	6	18	6	18	66
453	Pioner Jernchlat 5% HEEDTA	litres			18,1	18,1				36,2
457	Pioner Mikro Plus med Jern (1.92%)	litres	18				18,1	36	54	126,1
414	Salpetersyre 62%	litres	28	28	28	28	84	28	84	308

ENVIRONMENTAL CLUSTERS

	Indoor crops									
4062	POT PLANTS 2	m2	915	777	819	1045	1011	857	880	
4065	POT PLANTS 5	m2		37	207	647	840	929	767	
4070	POT PLANTS REMAINDER	m2	4922	5023	4811	4145	3986	4051	4190	
	Subtotal		5837	5837	5837	5837	5837	5837	5837	

OVERVIEW RECORDED DATA (Continued)

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Valid: Period 1-2023 until Period 13-2023
Version: 4-1-2024

Code	Description	Unit	Period 1	Period 2	Period 3	Period 4	Period 5	Period 6	Period 7	Subtotal
661	Certified parental material MPS-ABC certif.parental mat. indoor	m2	5837	5837	5837	5837	5837	5837	5837	