

**MPS
ECAS**



Certificate

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

Buijnink International, Unipessoal Lda
Monte Novo de Fataca 3861
7630-580 SÃO TEOTÓNIO
Portugal
MPS-number: 803692

Applicable to environmental clusters:

ORNAMENTAL FOLIAGE ; SHRUB FOR CUTTING 3; Gathered Wild produce

Validity: **7-2-2022 valid up to and including 22-5-2022**

Total points: **107,4**

Qualification: **A+**

Kind regards,
MPS-ECAS

Signature:

Date of issue:
7-2-2022

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

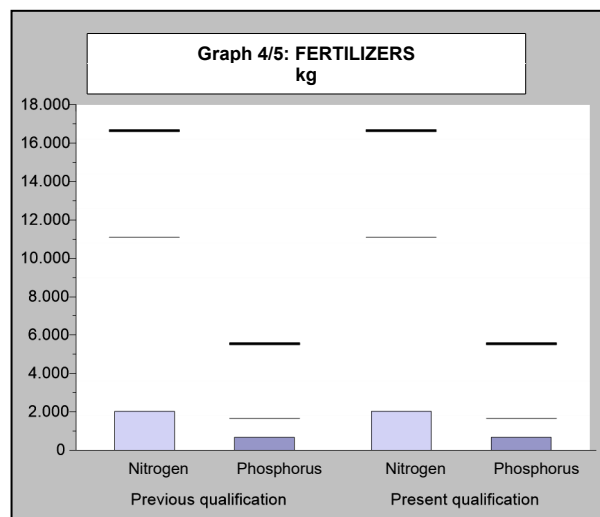
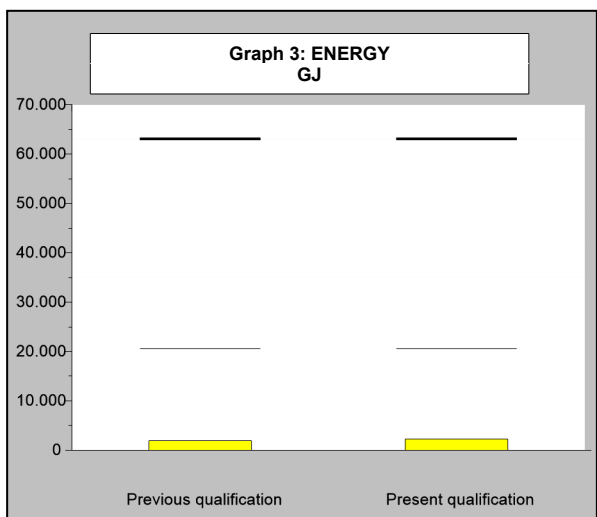
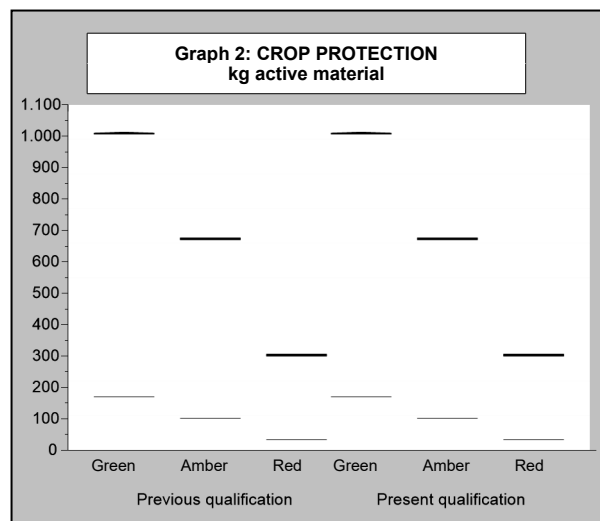
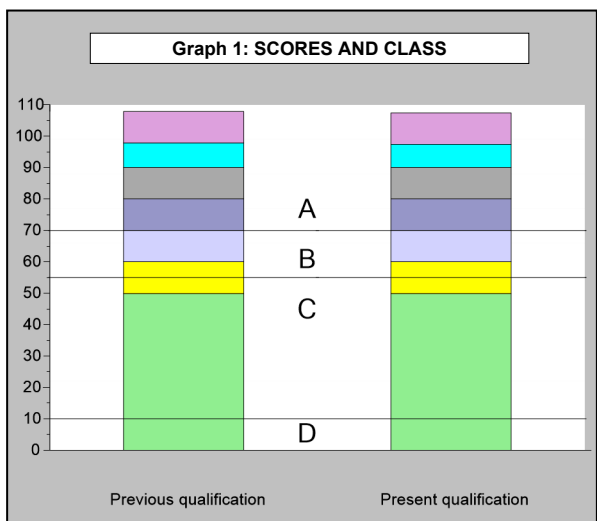
MPS company number: **803692/01**
 Company name: Buijnink International, Unipessoal Lda (total)

Valid: Period 1-2021 until Period 13-2021
 Version: 7-2-2022

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	170,6-1010,2 kg	0	15	15			
	Amber	102,4-673,4 kg	0	19,9	19,9			
	Red	34,1-303,1 kg	0	15	15			
total				49,9	49,9	85 %	100 %	yes
Energy total		20623,8-63119,3 GJ	2265,1	10,2	10,2	75 %	100 %	yes
Fertilizers	Nitrogen	11104,3-16656,5 kg	2028	10	10			
	Phosphorus	1665,7-5552,2 kg	680,2	10	10			
total				20	20	75 %	100 %	yes
Waste		0-130	130	10	10			
Water		0-130	96	7,4	10			
Certified parental material				10	10			
Total score (points)				107,4	110	90	107,4	yes
COMPANY QUALIFICATION				A+				

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

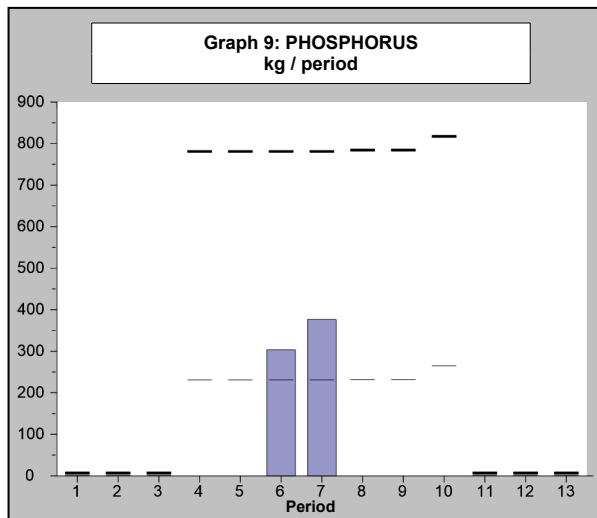
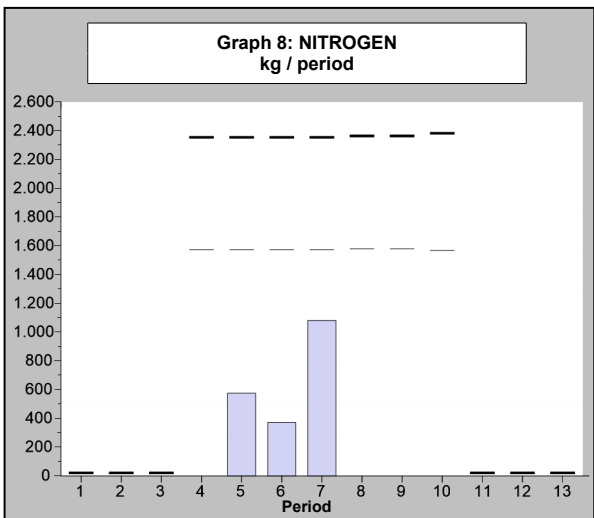
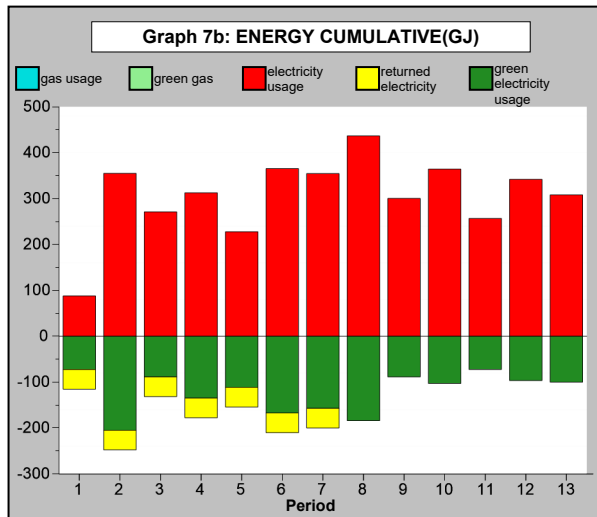
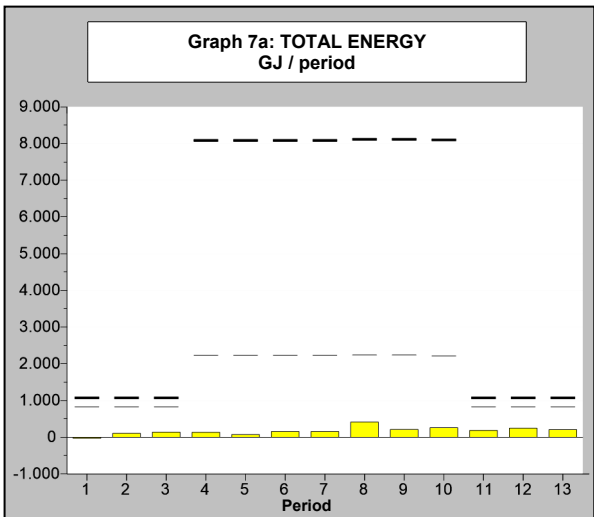
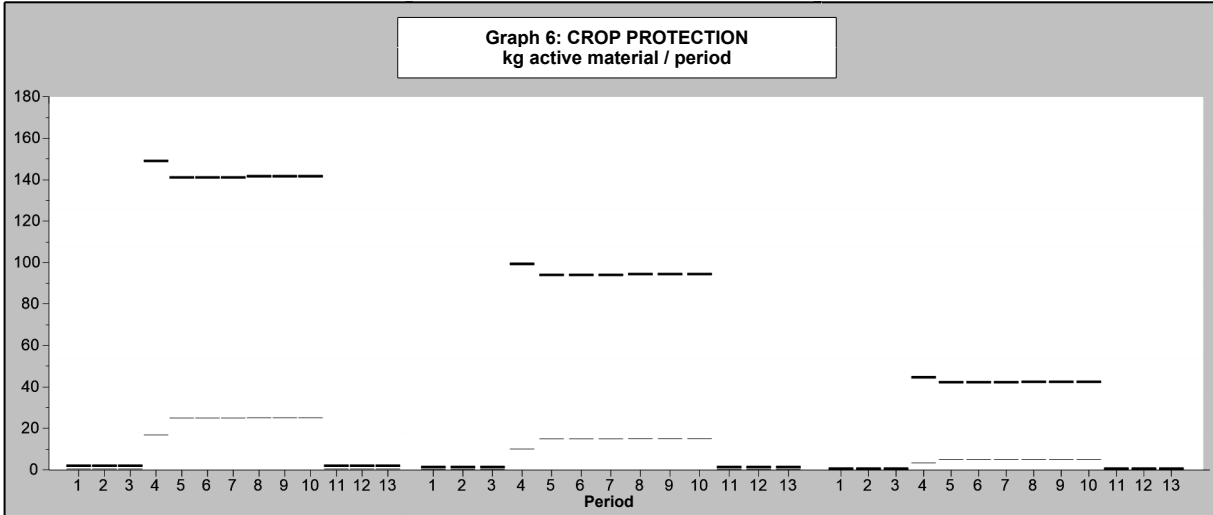


QUALIFICATION AND PERIOD GRAPHS

MPS company number: **803692/01**
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<-----> = Upperlimit <.....> = Lowerlimit



MPS-Overview Composition of Qualification

MPS company number: **803692/01**
 Company name: Buijnink International, Unipessoal Lda (total)

Valid: Period 1-2021 until Period 13-2021
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Composition of points MPS environmentally certified parental material

Certified parental material	(Average) area	Your Points	Max points
Total cultivated area 1)	1085808,7 m2		
Area certified parental material MPS-ABC	1085807,7 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 4	Zone 4	Zone 4	Zone 4	Zone 4	Zone 4	Zone 4	Zone 4	Zone 4	Zone 4	Zone 4	Zone 4	Zone 4

OVERVIEW RECORDED DATA

MPS company number: **803692/01**
 Company name: Buijnink International, Unipessoal Lda (total)

Valid: Period 1-2021 until Period 13-2021
 Version: 7-2-2022

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		
WATER										
21	Total irrigation	m3	6947	5923	2956	2949	1246	791	20812	34274
ENERGY										
4	Electricity from the grid (Total)	kWh	48524	33386	40485	28553	38017	34233	223198	442690
54	Diesel oil/fuel	litres	4500						4500	4500
6	Green electricity from the grid	kWh	20417	9812	11422	8030	10720	11107	71508	175407
8	Returned electricity	kWh								33400
FERTILIZERS										
857	Kristalon 13+40+13	kg								1200
600	Urea / Ureum 46%	kg								1250
899	YaraLiva Calcinit 15.5+0+0	kg								1400
1054	YaraTera Kristalon 18+18+18	kg								6000
ENVIRONMENTAL CLUSTERS										
Indoor crops										
27	ORNAMENTAL FOLIAGE	hectare	1,8	1,8	1,8	1,8	1,8	1,8		
	Subtotal		1,8	1,8	1,8	1,8	1,8	1,8		
Outdoor crops										
55	SHRUB FOR CUTTING 3	hectare	109,5	109,5	109,5	109,5	109,5	109,5		
1234	Gathered Wild produce	unit	0	0	0	0	0	0		
	Subtotal		110,5	110,5	110,5	110,5	110,5	110,5		
Certified parental material										
661	MPS-ABC certif. parental mat. indoor	hectare	1,8	1,8	1,8	1,8	1,8	1,8		
663	MPS-ABC certif. parental mat. outdoor	hectare	109,5	109,5	109,5	109,5	109,5	109,5		

OVERVIEW RECORDED DATA (Continued)

MPS company number: **803692/01**
Company name: Buijnink International, Unipessoal Lda (total)

Valid: Period 1-2021 until Period 13-2021
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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? 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)? <= 3 metres / <= 9,8 feet

3905 What is the lowest percentage of organic material of your soil on all your plots of this location? 1,5 - 3%

3906 What is the average annual rainfall? (if not known, enter nothing) < 600 mm annually / < 23 inch annual

3907 How many months per year may be regarded as exceptionally dry (less than 2% of the annual precipitation)? 2 - 6 months

3908 What is the average day and night temperature over a whole year? (if not known, enter nothing) < 20 degrees C / 68 degrees F on aver

Water management

45 Do you collect rainwater? Yes

47 Do you collect leaking water while working with chemicals? No

49 Do you record water use? Yes

50 Do you use drip irrigation or recirculation? Yes

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

44 Do you process chemical waste in a responsible way? Yes

OVERVIEW RECORDED DATA

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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	
WATER										
21	Total irrigation	m3	2190	146	1826	941	1034	4755	2570	13462
ENERGY										
4	Electricity from the grid (Total)	kWh	9783	39462	30147	34757	25334	40600	39409	219492
54	Diesel oil/fuel	litres								
6	Green electricity from the grid	kWh	8031	22736	9815	14952	12348	18576	17441	103899
8	Returned electricity	kWh	4771	4771	4771	4771	4771	4771	4771	33397
FERTILIZERS										
857	Kristalon 13+40+13	kg						1200		1200
600	Urea / Ureum 46%	kg					1250			1250
899	YaraLiva Calcinit 15.5+0+0	kg							1400	1400
1054	YaraTera Kristalon 18+18+18	kg						1200	4800	6000
ENVIRONMENTAL CLUSTERS										
Indoor crops										
27	ORNAMENTAL FOLIAGE	hectare	1,8	1,8	1,8	1,8	1,8	1,8	1,8	
	Subtotal		1,8	1,8	1,8	1,8	1,8	1,8	1,8	
Outdoor crops										
55	SHRUB FOR CUTTING 3	hectare	96,65	99,15	99,15	109,05	109,05	109,05	109,05	
1234	Gathered Wild produce	unit	0	0	0	0	0	0	0	
	Subtotal		97,65	100,15	100,15	110,05	110,05	110,05	110,05	
Certified parental material										
661	MPS-ABC certif. parental mat. indoor	hectare	1,8	1,8	1,8	1,8	1,8	1,8	1,8	
663	MPS-ABC certif. parental mat. outdoor	hectare	96,65	99,15	99,15	109,05	109,05	109,05	109,05	

CO2 Indicator

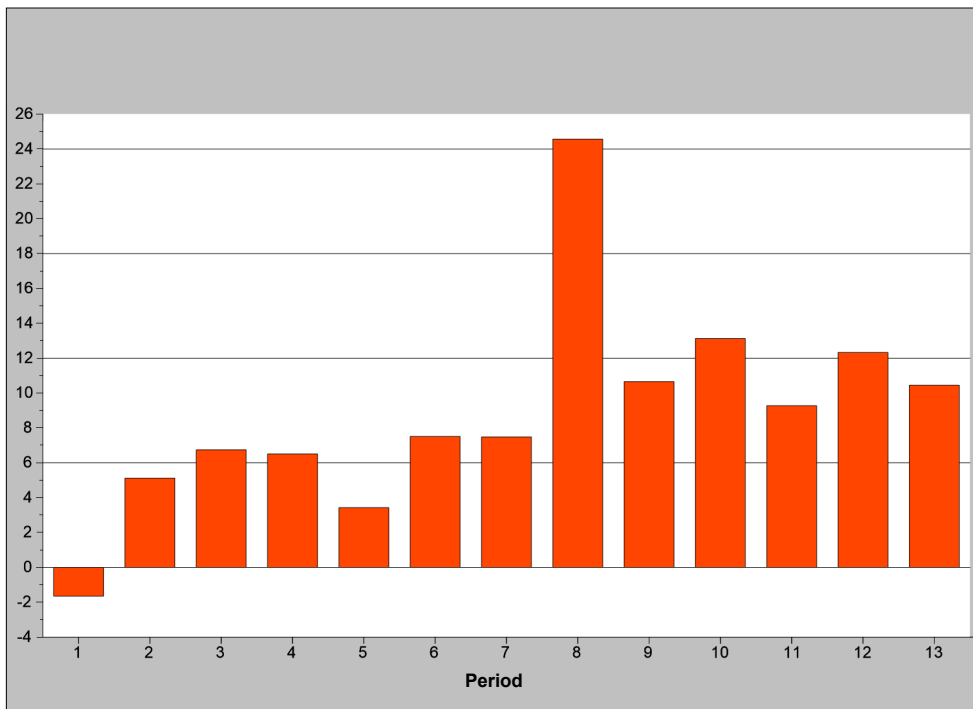
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Review CO2-emission per energy source per year (x 1000 kg)

Code		CO2 production (x 1000)
4	Electricity from the grid (Total)	200
54	Diesel oil/fuel	12
8	Returned electricity	-17
6	Green electricity from the grid	-79
Total		116

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.