



SAPEC
AGRO PORTUGAL

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Evaluate the efficacy of MICROSOIL in lettuce

Official Trial ID: 30/001/14

THURSDAY, 11 JUNE 2015

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1 TRIAL CHARACTERISTICS

1.1 GENERAL TRIAL INFORMATION

Discipline: O other
Trial Status: F one-year/final
Initiation Date: 3-6-2014
Completion Date: 30-7-2014

() 1.2 TREATMENT INFORMATION

Trt No.	Treatment Name	Rate	Unit	Appl Code
1	Untreated Check			
2	MICROSOIL	1	l/ha	A

Additional Treatment Information

Treatment Name

Untreated Check = Not treated|

Rate Unit

L/ha = Liters Product per Hectare (US=GAL/A)|T

1.3 TRIAL LOCATION

City: Silveira **Country:** PRT Portugal
Postal Code: 2560
Official Trial ID: 30/001/14
Conducted Under GEP: Yes

1.4 OBJECTIVES

Evaluate the efficacy of MICROSOIL in lettuce

1.5 COOPERATOR/LANDOWNER

Cooperator: Lina Santos
City: Silveira
State/Prov: Torres Vedras
Postal Code: 2560
Country: PRT Portugal

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1.6 CROP DESCRIPTION

Crop 1: LACSA Lactuca sativa
Variety: Partition

Lettuce

BBCH Scale: BVNH

Planting Date: 18-6-2014

Planting Rate, Unit: 114285 P/HA

Planting Method: TRAMAC transplanted - machine

Row Spacing, Unit: 0,35 m

Spacing Within Row, Unit: 0,25 m

1.7 SITE AND DESIGN

Site Type: FIELD field

Treated Plot Area: 1728 m2 **Treatments:** 2

Replications: 4

Tillage Type: CONTIL conventional-till

Study Design: RACOBL Randomized Complete Block (RCB)

1.8 APPLICATION DESCRIPTION

	A
Application Date:	19-6-2014
Appl. Start Time:	9:00
Application Method:	IRRDR1
Application Placement:	SOIL

1.9 PEST STAGE AT EAH APPLICATION

	A
Crop 1 Code, BBCH Scale:	LACSA BVNH
Stage Scale Used:	BBCH
Stage Majority, Percent:	12

1.10 APPLICATION EQUIPMENT

	A
Equipment Type:	IRRGAT
Carrier:	WATER
Propellant:	PUMP

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1.17 ARM CODE LIST

O, other = other|Y

F, one-year/final = one-year/final|6

PRT, 42.15274, 37.008331, -9.494722, -6.187222 = Portugal

LACSA, BVNH, Lactuca sativa, = US

P/HA = plant per hectare

TRAHAN, transplanted - hand = transplanted - hand

m = meter

FIELD, field = field

PLOT, plot = plot

CONTIL, conventional-till = conventional-till

RACOB, Randomized Complete Block (RCB) = Randomized Complete Block (RCB)

IRRDR = irrigation - dip

SOIL = soil

BBCH = BBCH uniform plant stages

12 = 2nd true leaf unfolded|BVNH

IRRGAT = irrigation/chemigation

WATER = water

PUMP = pump

2 STATISTICAL ANALYSIS

2.1 AOV MEAN TABLE

Crop Code	LACSA	LACSA	LACSA	LACSA
BBCH Scale	BVNH	BVNH	BVNH	BVNH
Crop Scientific Name	Lactuca sativa	Lactuca sativa	Lactuca sativa	Lactuca sativa
Crop Name	Lettuce	Lettuce	Lettuce	Lettuce
Crop Variety	Partition	Partition	Partition	Partition
Description				Kg/ha
Part Rated	YIELD C	YIELD C	YIELD C	FRUTOT C
Rating Date	17-07-2014	17-07-2014	17-07-2014	17-07-2014
Rating Type	WEIGHT	COUPLA	CONTRO	WEIGHT
Rating Unit	kg	NUMBER	%UNCK	kg/ha
Sample Size, Unit	1,69 m2	1,69 m2	1 PLOT	1 ha
Collection Basis, Unit	1 PLOT	1 PLOT	1 PLOT	1 ha
Number of Subsamples	1	1	1	1
Crop Stage Majority	49	49	49	49
Crop Stage Scale	BBCH	BBCH	BBCH	BBCH
SE Group No.	1	1	2	4
Days After First/Last Applic.	28 28	28 28	28 28	28 28
Trt-Eval Interval	28 DA-A	28 DA-A	28 DA-A	28 DA-A
Plant-Eval Interval	29 DP-1	29 DP-1	29 DP-1	29 DP-1
ARM Action Codes			@UPOC[1] S05	T1
Number of Decimals			2	1
Trt	Treatment	Rate		
No.	Name	Rate	Unit	
				1 2 3 4
	1 Untreated Check			14,33 a 23,0 a 100,00 a 84812,6 a
	2 MICROSOIL	1 l/ha		21,33 a 24,3 a 165,82 a 126232,7 a
LSD P=.05				13,832 2,87 160,187 81847,37
Standard Deviation				3,937 0,82 45,593 23295,88
CV				22,08 3,45 34,3 22,08
Grand Mean				17,833 23,67 132,912 105522,68
Bartlett's X2				8,209 0,511 0,0 8,209
P(Bartlett's X2)				0,004* 0,475 . 0,004*
Friedman's X2				3,0 1,333 3,0 3,0
P(Friedman's X2)				0,083 0,248 0,083 0,083

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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2.2 ARM CODE LIST

Crop Code

LACSA, BVNH, Lactuca sativa, = US

Part Rated

YIELD = yield

FRUTOT = fruit - total

C = Crop is Part Rated

Rating Type

WEIGHT = weight

COUPLA = count - plant / emergence - objective

() CONTRO = control / burndown or knockdown

Rating Unit

kg = kilogram

NUMBER = number

%UNCK = percent of untreated check

kg/ha = kilograms per hectare

m² = square meter

PLOT = total plot

ha = hectare

PLOT = total plot

ha = hectare

Crop Stage Majority

49 = Typical leaf mass reached

Crop Stage Scale

BBCH = BBCH uniform plant stages

Plant-Eval Interval

29 DP-1 = 1 LACSA 18-6-2014

ARM Action Codes

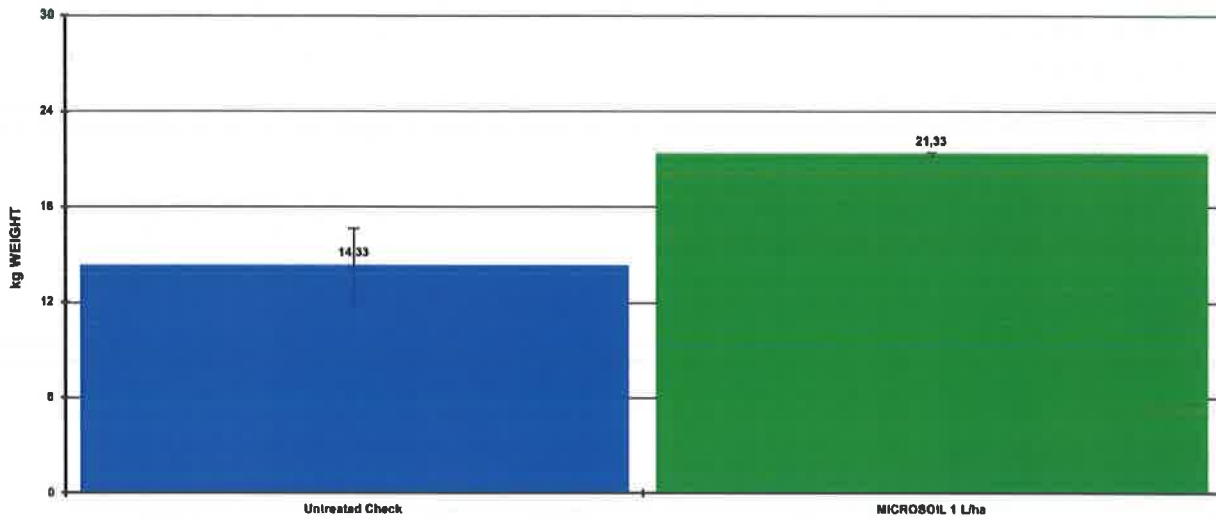
S05 = Perform 5% Student-Newman-Keuls mean separation on Standardized Summary

@UPOC[1] = &100*@AvgSub([1])/[TUC1]

T1 = (10000*[1])/1.69

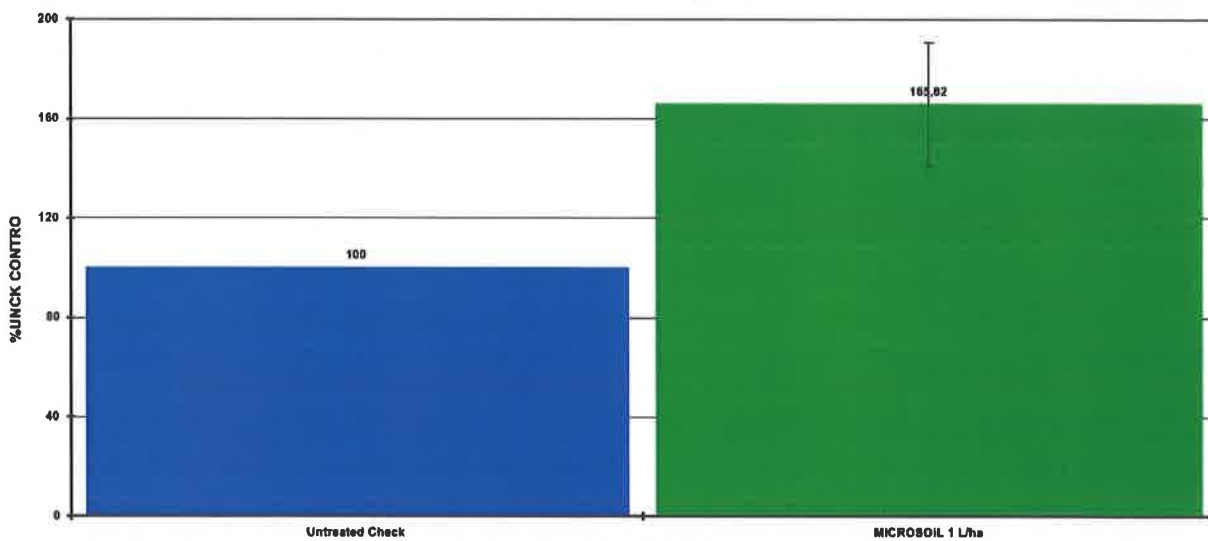
3 GRAPHICS

Yield from 1,69m2



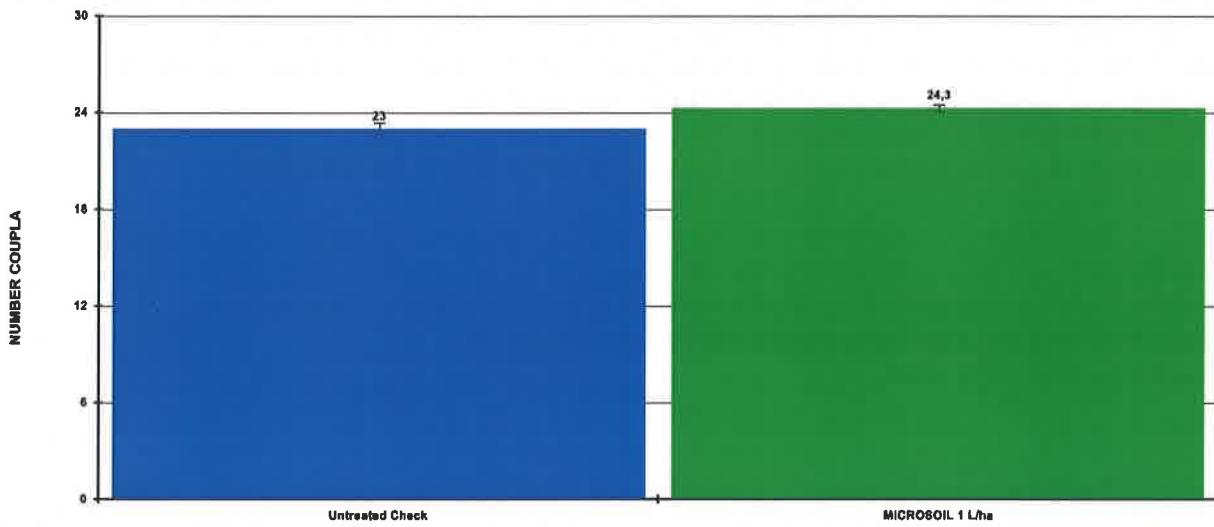
Trial ID: 30/001/14

Diference of yield



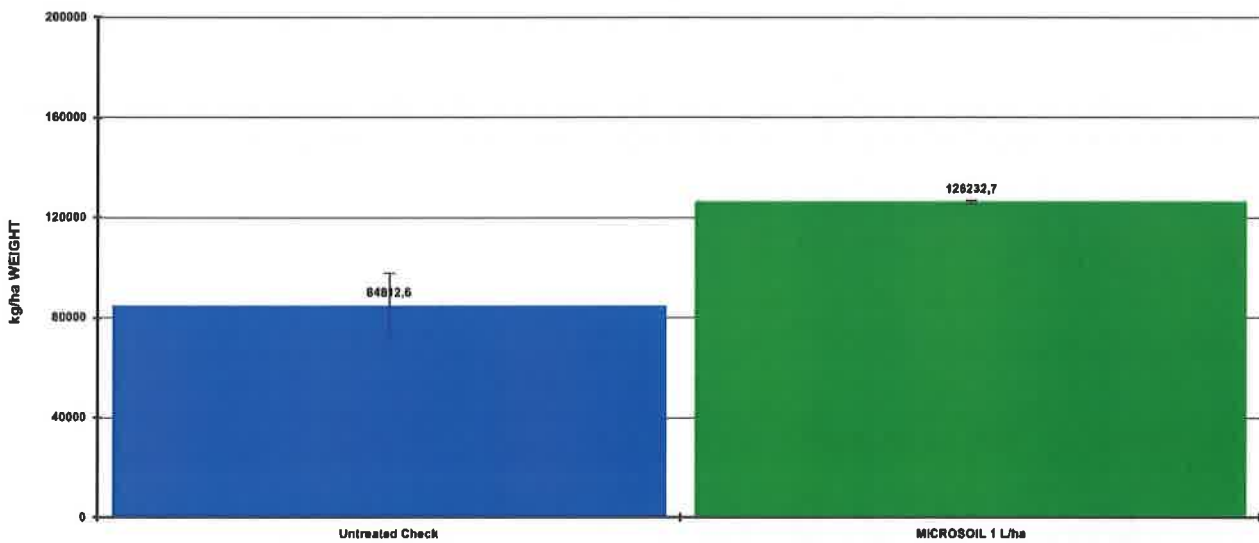
Trial ID: 30/001/14

Number of plants from 1,69m2



Trial ID: 30/001/14

Yield per ha



Trial ID: 30/001/14

4 DISCUSSION AND CONCLUSION

TRIAL SUMMARY

The main objective of this trial was to evaluate the efficacy of MICROSOIL applied to increase the production in lettuce. The trial was located in Torres Vedras, Portugal, in an area typical for lettuce production. The study described in this report was conducted in compliance with the principles of Good Experimental Practices (GEP). Test items were applied 1 times at 16/06/14 (BBCH crop stage: 12). MICROSOIL has been applied 1L/ha at irrigation. The harvest was made at 17/07/14 (BBCH 49). The total weight of the 1.69m² was assessed.

VALIDITY

- Plant Protection Products were applied on irrigation according to the dose rates of the protocol.
- The plants and the conditions were homogenous until the end of the trial

This trial can be considered as valid.

RESULTS

As a consequence of the application of the product MICROSOIL, untreated plots showed a lower yield/1.69m² and a lower number of plants/1.69m² (14.3Kg/1.69m² and 23 plants/1.69m²) than treated plots (21,3Kg/1.69m² and 24 plants/1.69m²).

Untreated plots showed 84Ton/ha, a production/ha more lower than the experimental product with 126 Ton/ha. The treated plots obtained a 65% more yield than untreated plots.

No phytotoxicity symptoms on the crop or adverse effects on non-target pests or diseases were observed and assessed throughout the trial.

CONCLUSION

To summarize, under the conditions of the trial, it can be concluded that **the application of MICRSOIL at 1Lkg/ha at irrigation showed the best and higher yield when compared at untreated plots.**

STUDY DIRECTOR:

DATE:

Luís Silva

SIGNATURE:

Luís Silva

FIELD RESPONSABLE:

DATE:

Fernando Ribeiro

SIGNATURE:

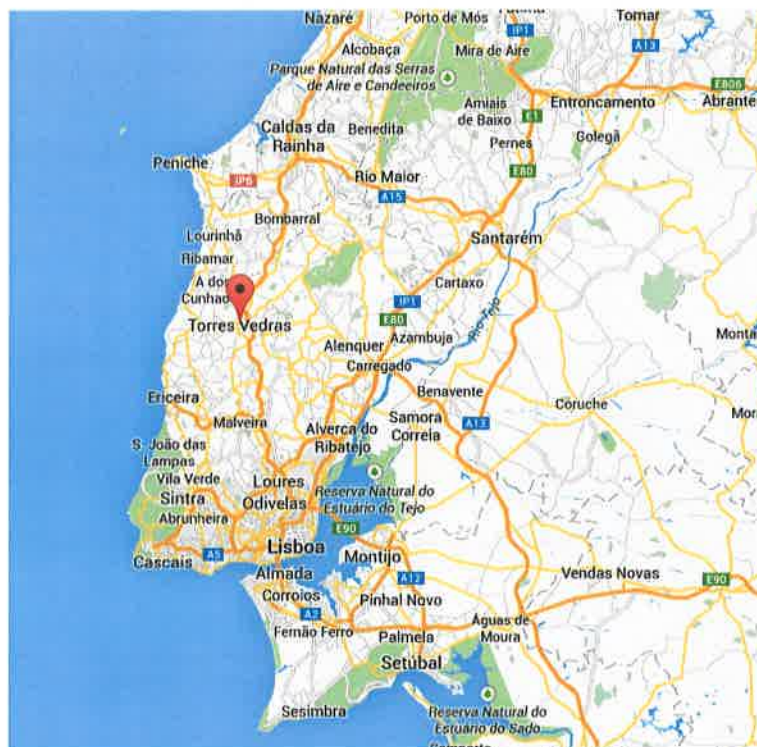
Fernando Ribeiro

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5 APPENDIX

5.1 LOCATION OF THE TRIAL



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5.2 SITE AND DESIGN

301 1	302 2
201 2	202 1
101 1	102 2

5.3 PLOT DATA

Crop Code	LACSA	LACSA	LACSA	LACSA
BBCH Scale	BVNH	BVNH	BVNH	BVNH
Crop Scientific Name	Lactuca sativa	Lactuca sativa	Lactuca sativa	Lactuca sativa
Crop Name	Lettuce	Lettuce	Lettuce	Lettuce
Crop Variety	Partition	Partition	Partition	Partition
Description				Kg/ha
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Collection Basis, Unit	1 PLOT	1 PLOT	1 PLOT	1 ha
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Crop Stage Majority	49	49	49	49
Crop Stage Scale	BBCH	BBCH	BBCH	BBCH
SE Group No.	1	1	2	4
Days After First/Last Applic.	28 28	28 28	28 28	28 28
Trt-Eval Interval	28 DA-A	28 DA-A	28 DA-A	28 DA-A
Plant-Eval Interval	29 DP-1	29 DP-1	29 DP-1	29 DP-1
ARM Action Codes			@UPOC[1] S05	T1
Number of Decimals			2	1
Trt	Treatment	Rate	Rate	
No.	Name	Rate	Unit	Plot
				1
				2
				3
				4
1	Untreated Check			102
				201
				302
				Mean =
				13,50
				22,0
				9,00
				23,0
				20,50
				24,0
				100,00
				121301,8
				14,33
				23,0
				100,00
				84812,6
2	MICROSOIL	1 l/ha		101
				202
				301
				Mean =
				21,50
				24,0
				21,00
				25,0
				21,50
				24,0
				159,26
				127218,9
				233,33
				124260,4
				104,88
				127218,9
				21,33
				24,3
				165,82
				126232,7

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WEIGHT = weight

COUPLA = count - plant / emergence - objective

CONTRO = control / burndown or knockdown

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PLOT = total plot

ha = hectare

PLOT = total plot

ha = hectare

Crop Stage Majority

49 = Typical leaf mass reached

Crop Stage Scale

BBCH = BBCH uniform plant stages

Plant-Eval Interval

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ARM Action Codes

S05 = Perform 5% Student-Newman-Keuls mean separation on Standardized Summary

@UPOC[1] = &100*@AvgSub([1])/[TUC1]

T1 = (10000*[1])/1.69

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5.4 WEATHER DATA

Meteorological station: Torres Vedras

Distance to the trial site: 11 Km

Source: <http://portuguese.wunderground.com/>

2014 Jun	Temperature			Dew Point			Humidity			Speed			Pressure			Precip.	
	High	Avg	Low	High	Avg	Low	High	Avg	Low	High	Avg	Low	High	Avg	Gust	High	Low
1	23 °C	18 °C	13 °C	14 °C	13 °C	11 °C	94 %	75 %	51 %	17 kph	6 kph	25 kph	1022 hPa	1021 hPa	1020 hPa	1020 hPa	0 hPa
2	20 °C	16 °C	14 °C	16 °C	14 °C	13 °C	93 %	88 %	70 %	18 kph	9 kph	27 kph	1022 hPa	1022 hPa	1021 hPa	1021 hPa	0 hPa
3	18 °C	16 °C	14 °C	14 °C	13 °C	12 °C	93 %	82 %	70 %	21 kph	10 kph	24 kph	1022 hPa	1021 hPa	1020 hPa	1020 hPa	0 hPa
4	19 °C	16 °C	13 °C	14 °C	13 °C	11 °C	96 %	82 %	62 %	15 kph	7 kph	22 kph	1020 hPa	1019 hPa	1017 hPa	1017 hPa	0.3 hPa
5	21 °C	16 °C	11 °C	16 °C	14 °C	9 °C	94 %	85 %	72 %	16 kph	5 kph	20 kph	1017 hPa	1013 hPa	1009 hPa	1009 hPa	0 hPa
6	19 °C	16 °C	14 °C	17 °C	15 °C	13 °C	95 %	91 %	80 %	18 kph	9 kph	25 kph	1013 hPa	1010 hPa	1007 hPa	1007 hPa	9.1 hPa
7	21 °C	17 °C	13 °C	15 °C	13 °C	11 °C	95 %	81 %	56 %	19 kph	8 kph	25 kph	1018 hPa	1015 hPa	1012 hPa	1012 hPa	0.3 hPa
8	21 °C	17 °C	14 °C	16 °C	14 °C	13 °C	94 %	83 %	66 %	17 kph	6 kph	19 kph	1020 hPa	1018 hPa	1017 hPa	1017 hPa	0 hPa
9	20 °C	17 °C	14 °C	16 °C	14 °C	12 °C	96 %	83 %	59 %	11 kph	4 kph	15 kph	1020 hPa	1019 hPa	1018 hPa	1018 hPa	0.3 hPa
10	20 °C	17 °C	14 °C	14 °C	13 °C	12 °C	93 %	80 %	59 %	15 kph	6 kph	19 kph	1020 hPa	1019 hPa	1019 hPa	1019 hPa	0 hPa
11	24 °C	18 °C	13 °C	18 °C	15 °C	12 °C	94 %	80 %	64 %	15 kph	6 kph	19 kph	1020 hPa	1019 hPa	1019 hPa	1019 hPa	0.3 hPa
12	30 °C	21 °C	15 °C	21 °C	17 °C	13 °C	92 %	76 %	51 %	17 kph	4 kph	17 kph	1020 hPa	1019 hPa	1019 hPa	1019 hPa	0 hPa
13	25 °C	19 °C	16 °C	20 °C	17 °C	14 °C	95 %	85 %	68 %	12 kph	5 kph	16 kph	1020 hPa	1018 hPa	1017 hPa	1017 hPa	0 hPa
14	30 °C	21 °C	14 °C	21 °C	17 °C	14 °C	97 %	78 %	54 %	11 kph	3 kph	14 kph	1018 hPa	1015 hPa	1012 hPa	1012 hPa	0 hPa
15	33 °C	25 °C	16 °C	17 °C	14 °C	11 °C	93 %	55 %	27 %	18 kph	6 kph	25 kph	1012 hPa	1011 hPa	1010 hPa	1010 hPa	0 hPa
16	30 °C	24 °C	18 °C	17 °C	12 °C	6 °C	85 %	50 %	30 %	13 kph	5 kph	16 kph	1011 hPa	1011 hPa	1010 hPa	1010 hPa	0 hPa
17	26 °C	21 °C	16 °C	19 °C	16 °C	10 °C	94 %	73 %	48 %	15 kph	4 kph	19 kph	1014 hPa	1012 hPa	1011 hPa	1011 hPa	0 hPa
18	21 °C	19 °C	16 °C	17 °C	15 °C	13 °C	94 %	81 %	62 %	15 kph	4 kph	18 kph	1016 hPa	1015 hPa	1013 hPa	1013 hPa	0 hPa
19	21 °C	18 °C	13 °C	16 °C	14 °C	12 °C	97 %	82 %	59 %	13 kph	2 kph	17 kph	1016 hPa	1016 hPa	1015 hPa	1015 hPa	0 hPa
20	24 °C	19 °C	14 °C	17 °C	14 °C	12 °C	96 %	77 %	50 %	17 kph	6 kph	24 kph	1016 hPa	1014 hPa	1013 hPa	1013 hPa	0.5 hPa
21	22 °C	19 °C	16 °C	17 °C	16 °C	14 °C	92 %	80 %	61 %	20 kph	10 kph	27 kph	1017 hPa	1014 hPa	1012 hPa	1012 hPa	0.3 hPa
22	21 °C	17 °C	15 °C	17 °C	16 °C	14 °C	95 %	89 %	77 %	9 kph	2 kph	11 kph	1018 hPa	1017 hPa	1016 hPa	1016 hPa	13.7 hPa
23	21 °C	17 °C	15 °C	17 °C	15 °C	14 °C	96 %	90 %	74 %	14 kph	2 kph	20 kph	1017 hPa	1017 hPa	1016 hPa	1016 hPa	19.3 hPa
24	22 °C	18 °C	15 °C	18 °C	16 °C	14 °C	97 %	89 %	75 %	15 kph	4 kph	18 kph	1019 hPa	1017 hPa	1016 hPa	1016 hPa	0 hPa
25	21 °C	19 °C	17 °C	17 °C	16 °C	14 °C	93 %	83 %	71 %	15 kph	6 kph	19 kph	1020 hPa	1019 hPa	1017 hPa	1017 hPa	0 hPa
26	22 °C	19 °C	16 °C	16 °C	15 °C	14 °C	92 %	81 %	62 %	14 kph	5 kph	19 kph	1020 hPa	1019 hPa	1017 hPa	1017 hPa	0 hPa
27	22 °C	19 °C	15 °C	16 °C	15 °C	13 °C	92 %	78 %	64 %	15 kph	5 kph	18 kph	1020 hPa	1019 hPa	1018 hPa	1018 hPa	0 hPa
28	21 °C	18 °C	14 °C	19 °C	16 °C	13 °C	96 %	86 %	72 %	18 kph	6 kph	24 kph	1021 hPa	1019 hPa	1017 hPa	1017 hPa	0.8 hPa
29	21 °C	18 °C	16 °C	14 °C	14 °C	13 °C	87 %	77 %	63 %	21 kph	9 kph	23 kph	1024 hPa	1022 hPa	1021 hPa	1021 hPa	0 hPa
30	21 °C	18 °C	15 °C	16 °C	15 °C	13 °C	90 %	80 %	68 %	14 kph	6 kph	18 kph	1022 hPa	1021 hPa	1019 hPa	1019 hPa	0 hPa

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2014	Temperature			Dew Point			Humidity			Speed			Pressure			Precip.	
	High	Avg	Low	High	Avg	Low	High	Avg	Low	High	Avg	Low	High	Avg	Low	High	Sum
Jul 1	20 °C	18 °C	16 °C	17 °C	15 °C	13 °C	97 %	84 %	65 %	13 kph	5 kph	20 kph	1019 hPa	1018 hPa	1016 hPa	2.3 hPa	
2	20 °C	18 °C	17 °C	17 °C	16 °C	15 °C	92 %	86 %	72 %	19 kph	8 kph	26 kph	1019 hPa	1018 hPa	1017 hPa	1.5 hPa	
3	24 °C	20 °C	17 °C	19 °C	17 °C	17 °C	95 %	85 %	72 %	18 kph	7 kph	19 kph	1020 hPa	1018 hPa	1016 hPa	0 hPa	
4	21 °C	19 °C	17 °C	18 °C	17 °C	15 °C	92 %	88 %	81 %	15 kph	7 kph	19 kph	1021 hPa	1019 hPa	1018 hPa	0 hPa	
5	22 °C	19 °C	17 °C	18 °C	17 °C	16 °C	96 %	89 %	74 %	14 kph	5 kph	18 kph	1020 hPa	1019 hPa	1017 hPa	0.3 hPa	
6	21 °C	19 °C	16 °C	19 °C	17 °C	14 °C	98 %	91 %	83 %	16 kph	7 kph	20 kph	1020 hPa	1018 hPa	1015 hPa	1.5 hPa	
7	21 °C	18 °C	15 °C	15 °C	14 °C	13 °C	89 %	77 %	62 %	20 kph	9 kph	25 kph	1023 hPa	1021 hPa	1019 hPa	0.3 hPa	
8	22 °C	19 °C	15 °C	18 °C	16 °C	14 °C	93 %	82 %	69 %	19 kph	10 kph	28 kph	1023 hPa	1021 hPa	1019 hPa	0 hPa	
9	25 °C	20 °C	16 °C	17 °C	16 °C	14 °C	92 %	77 %	59 %	20 kph	10 kph	27 kph	1019 hPa	1017 hPa	1015 hPa	0 hPa	
10	29 °C	21 °C	16 °C	16 °C	14 °C	12 °C	92 %	66 %	37 %	16 kph	5 kph	23 kph	1017 hPa	1016 hPa	1014 hPa	0 hPa	
11	30 °C	22 °C	15 °C	16 °C	13 °C	9 °C	92 %	64 %	28 %	16 kph	5 kph	21 kph	1017 hPa	1017 hPa	1016 hPa	0 hPa	
12	24 °C	19 °C	16 °C	17 °C	16 °C	16 °C	97 %	84 %	65 %	20 kph	7 kph	22 kph	1018 hPa	1017 hPa	1016 hPa	0.3 hPa	
13	22 °C	19 °C	17 °C	17 °C	16 °C	16 °C	94 %	87 %	74 %	29 kph	12 kph	29 kph	1019 hPa	1018 hPa	1017 hPa	0 hPa	
14	24 °C	19 °C	17 °C	19 °C	17 °C	16 °C	96 %	89 %	72 %	18 kph	9 kph	26 kph	1019 hPa	1018 hPa	1017 hPa	0 hPa	
15	23 °C	19 °C	17 °C	19 °C	17 °C	16 °C	96 %	88 %	75 %	16 kph	9 kph	22 kph	1018 hPa	1018 hPa	1017 hPa	0 hPa	
16	26 °C	20 °C	16 °C	19 °C	17 °C	15 °C	96 %	84 %	68 %	11 kph	4 kph	15 kph	1017 hPa	1016 hPa	1016 hPa	0 hPa	
17	24 °C	19 °C	16 °C	17 °C	16 °C	15 °C	97 %	83 %	64 %	13 kph	4 kph	17 kph	1019 hPa	1018 hPa	1016 hPa	0 hPa	
18	22 °C	19 °C	17 °C	18 °C	17 °C	16 °C	95 %	86 %	74 %	17 kph	5 kph	24 kph	1016 hPa	1015 hPa	1013 hPa	0.5 hPa	
19	21 °C	19 °C	18 °C	18 °C	18 °C	16 °C	95 %	88 %	77 %	16 kph	7 kph	23 kph	1018 hPa	1015 hPa	1011 hPa	1.3 hPa	
20	23 °C	19 °C	16 °C	18 °C	17 °C	15 °C	93 %	84 %	72 %	13 kph	5 kph	17 kph	1023 hPa	1020 hPa	1018 hPa	0.3 hPa	
21	25 °C	19 °C	16 °C	18 °C	16 °C	14 °C	94 %	83 %	64 %	15 kph	7 kph	20 kph	1023 hPa	1021 hPa	1019 hPa	0.3 hPa	
22	22 °C	19 °C	16 °C	19 °C	17 °C	15 °C	93 %	87 %	80 %	15 kph	6 kph	18 kph	1019 hPa	1017 hPa	1015 hPa	0 hPa	
23	22 °C	19 °C	18 °C	17 °C	16 °C	16 °C	90 %	82 %	70 %	19 kph	10 kph	27 kph	1016 hPa	1015 hPa	1014 hPa	0 hPa	
24	22 °C	20 °C	18 °C	18 °C	17 °C	15 °C	91 %	85 %	71 %	20 kph	11 kph	25 kph	1015 hPa	1014 hPa	1013 hPa	0 hPa	
25	23 °C	19 °C	18 °C	19 °C	17 °C	17 °C	92 %	87 %	76 %	17 kph	8 kph	20 kph	1014 hPa	1013 hPa	1012 hPa	0 hPa	
26	24 °C	20 °C	18 °C	19 °C	18 °C	17 °C	95 %	88 %	74 %	10 kph	2 kph	15 kph	1015 hPa	1014 hPa	1013 hPa	0 hPa	
27	25 °C	20 °C	17 °C	20 °C	17 °C	15 °C	91 %	84 %	68 %	11 kph	2 kph	14 kph	1017 hPa	1016 hPa	1015 hPa	0 hPa	
28	23 °C	19 °C	17 °C	19 °C	16 °C	14 °C	88 %	83 %	76 %	14 kph	4 kph	22 kph	1017 hPa	1016 hPa	1015 hPa	0 hPa	
29	28 °C	22 °C	17 °C	21 °C	16 °C	14 °C	82 %	73 %	57 %	19 kph	7 kph	22 kph	1015 hPa	1013 hPa	1012 hPa	0 hPa	
30	30 °C	22 °C	16 °C	21 °C	17 °C	14 °C	86 %	76 %	55 %	12 kph	2 kph	18 kph	1014 hPa	1012 hPa	1010 hPa	0 hPa	
31	24 °C	20 °C	17 °C	19 °C	16 °C	12 °C	85 %	77 %	72 %	15 kph	4 kph	18 kph	1016 hPa	1014 hPa	1013 hPa	0 hPa	