

Results

Pandia Seeds, Inc.
 PO Box 1599
 Ojai, CA 93024
 USA
 Phone: 805-216-9770
 Fax:

Date received: 01/22/2019
 Date reported: 04/26/2019

Received as: Melon Emperador F-1
 Quantity received: 20 seed(s)
 Lot(s): PDL1570.01

Assay ID	Target	Quantity Tested	Completed
12441	Fusarium oxysporum fsp melonis race 0 resistance	20 seed(s)	04/08/2019
<u>Method:</u>	Inoculation		
<u>Results:</u>	See Report		
<u>Reviewed By:</u>	Ara Abramians		

130780: Fusarium oxysporum f. sp. melonis Race 0 Resistance Screening by Inoculation

Date of Planting: 2/26 /2019
Date of Inoculation: 3/8/2019
Date of Rating: 4/8/2019
Isolate: F104
Inoculation Method: Root Dip
Spore Conc.: 1.7×10^6 spores per milliliter

Results:**Controls**

Variety	# of Seeds Planted	# of seedlings inoculated	R	S
Primo	25	10	10	0
Ovation (F0, F2)	25	10	10	0
Athena (F0, F1, F2)	25	10	10	0

Experimental Lines

#	Variety	# of Seeds	# Seedlings Inoculated	# Resistant	# Susceptible	Comments
1	Emperador	20	20	20	0	

Comments: Result of this test is inconclusive due to lack of symptom development in susceptible controls.

Nilesh Maharaj

Approved by: Nilesh Maharaj, Ph.D.
Laboratory Director

Reviewed by:

X AAA Ara A. Abramians
Plant Pathologist

A POSITIVE result means that the named pathogen was detected. A NEGATIVE result does not guarantee that the lot/sample is free of the pathogen. Due to sampling errors and limitations of the methods, the results may not be absolute. Therefore, CSP Labs makes no representation of warranty, expressed or implied, for its testing services or the results issued. Under no circumstances shall the liability of CSP Labs exceed the amount paid for this analysis. For details on strengths or limitations of the methods used for testing please visit our web site www.csplabs.com/disclaimers.php

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Received as: Melon Emperador F-1
 Quantity received: 20 seed(s)
 Lot(s): PDL1570.01

Assay ID	Target	Quantity Tested	Completed
13344	Fusarium oxysporum fsp melonis race 1 resistance	20 seed(s)	04/08/2019
<u>Method:</u>	Inoculation		
<u>Results:</u>	See Report		
<u>Reviewed By:</u>	Ara Abramians		

130780: Fusarium oxysporum f. sp. melonis Race 1 Resistance Screening by Inoculation

Date of Planting: 2/26/2019
Date of Inoculation: 3/8/2019
Date of Rating: 3/29 /2019
Isolate: Fus 150
Inoculation Method: Root Dip
Spore Conc.: 1.7×10^6 spores per milliliter

Results:**Controls**

Variety	# of Seeds Planted	# of seedlings inoculated	R	S
Primo	25	10	0	10
Ovation (F0, F2)	25	10	0	10
Athena (F0, F1, F2)	25	10	10	0

Experimental Lines

#	Variety	# of Seeds	# Seedlings Inoculated	# Resistant	# Susceptible	Comments
1	Emperador	20	20	20	0	



Left: Primo, Middle: Ovation, Right: Athena

Nilesh Maharaj

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Laboratory Director

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Received as: Melon Emperador F-1
 Quantity received: 20 seed(s)
 Lot(s): PDL1570.01

Assay ID	Target	Quantity Tested	Completed
13880	Sphaerotheca fuliginea race 2 resistance	20 sample(s)	04/26/2019
<u>Method:</u>	Indicator host		
<u>Results:</u>	See Report		
<u>Reviewed By:</u>	Ara Abramians		

130780: Powdery Mildew race 2 Resistance Screening by Inoculation

Date of Planting: 2/26/2019

Date of Inoculation: 3/24/2019

Date of Rating: 4/26/2019

Isolate: NA

Inoculation Method: Foliar Spray Inoculation

Other Detail: 25 or less seeds were planted to obtain 20 seedlings. In some lines, final number of seedlings were less due to low germination or breakage during inoculation or handling.

Rating Scale: See table below

Rating	Description
1 - 2	Stem/petiole and leaves highly infected (Susceptible)
3	Stem/petiole have slight sporulation, leaves have more (tolerant)
4	Stem/mildew have no sporulation, leaves have some sporulation (resistant)
5	No disease anywhere (immune)

Results**Controls**

Crop	Control Variety	# of Seeds Planted	# of Seedlings Inoculated	Scale					Note
				1	2	3	4	5	
Cucumber (Sus.)	PM - 45	20	20	10	10				
Cucumber (Res.)	PMR - 5	20	20					20	

Experimental Lines

#	Description	# of Seeds Planted	# of Seedlings Inoculated	Scale					Note
				1	2	3	4	5	
1	Emperador F-1, PDL 1570.01	20	20					20	



A: PM – 45 (Susceptible), B: PMR – 5 (Resistant), C: Emperador

Nilesh Maharaj

Approved by: Nilesh Maharaj, Ph.D.
Laboratory Director

Reviewed by:

X AAA Ara A. Abramians
Plant Pathologist

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