

TWC/26/25 ORIGINAL: English DATE: September 1, 2008

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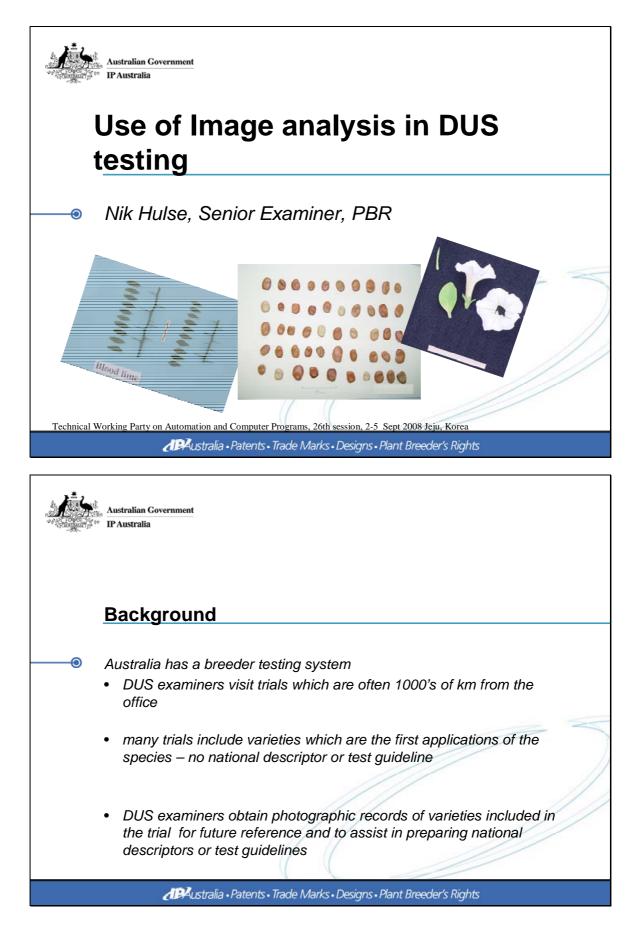
INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS GENEVA

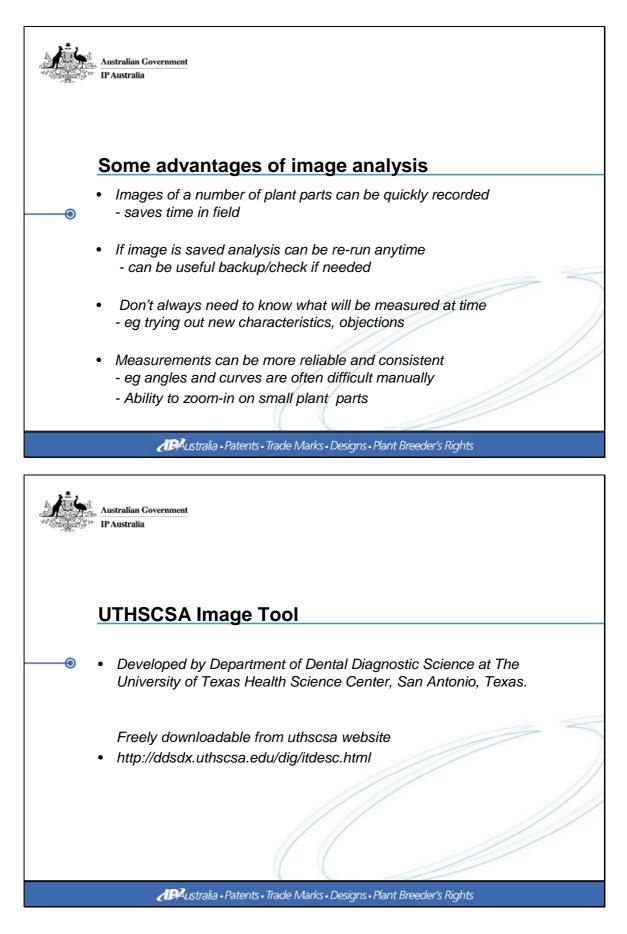
TECHNICAL WORKING PARTY ON AUTOMATION AND COMPUTER PROGRAMS

Twenty-Sixth Session Jeju, Republic of Korea, September 2 to 5, 2008

USE OF IMAGE ANALYSIS IN DUS TESTING

Document prepared by experts from Australia

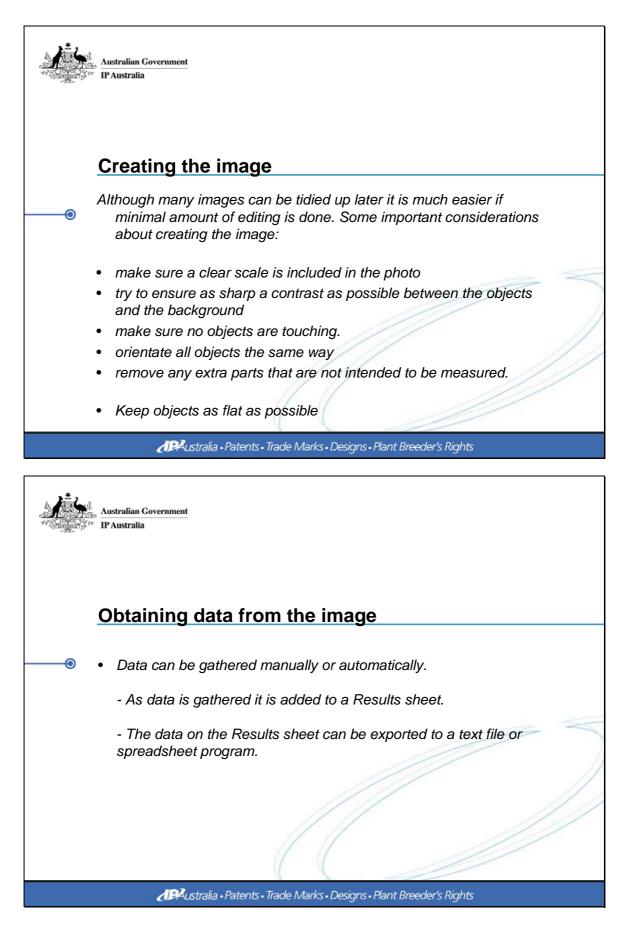


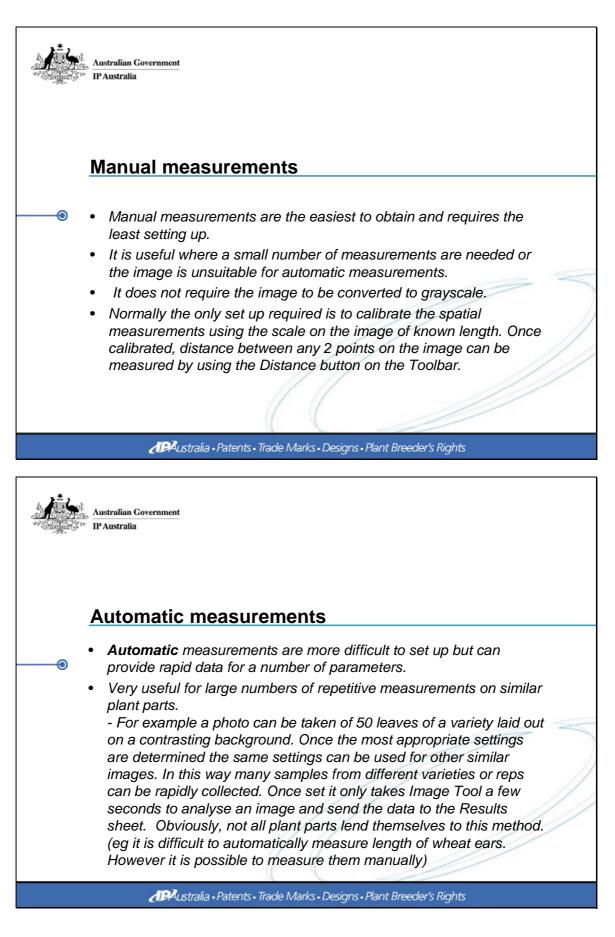


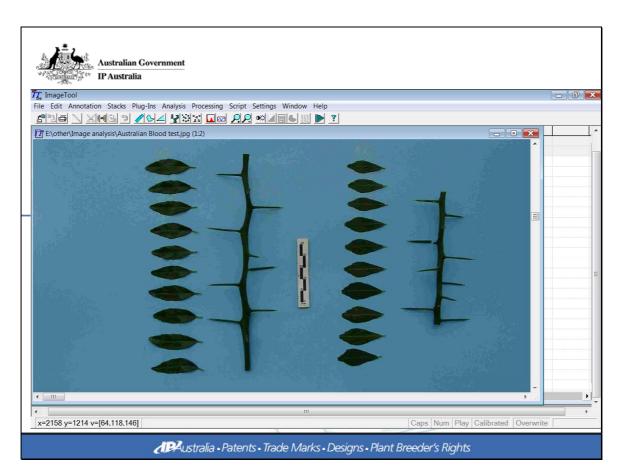
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14 15	for Windows Version 3.00
16 17	Development Team: Don Wilcox, Brent Dove, Doss McDavid, David Greer
18	© Copyright 1995-2002, The University of Texas Health Science Center in San Antonio. All rights reserved.
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	What can it do?
	Measures distance, angle, area and perimeter

- Counts of objects in area of interest
- Has inbuilt scripting language to automate tasks
- Many other functions

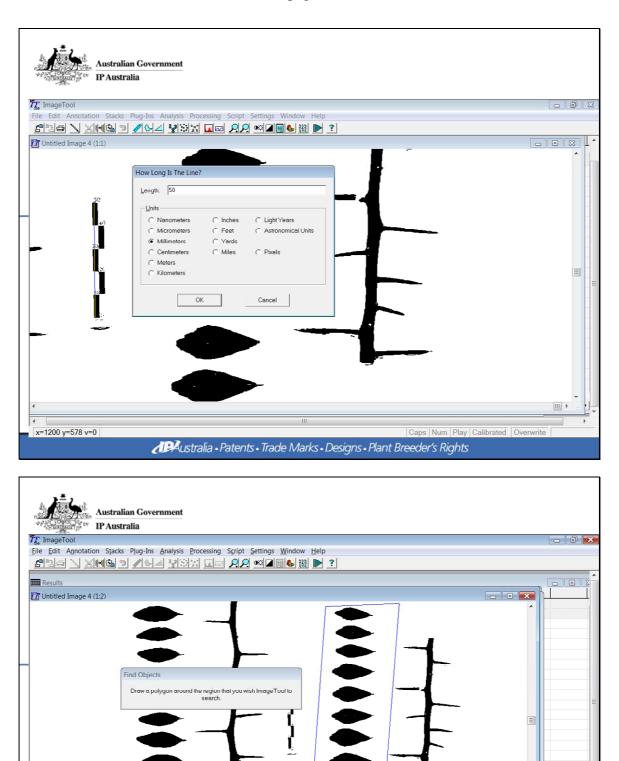
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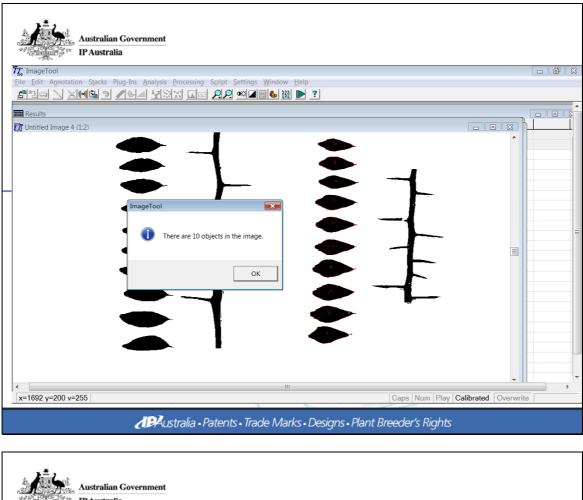
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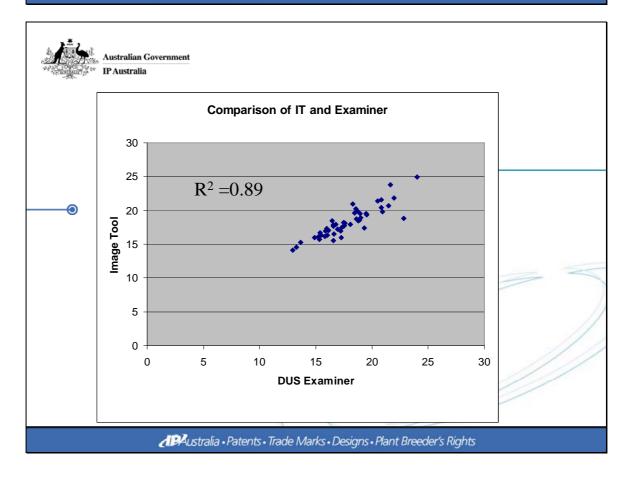
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	Object	Area	Perimeter	Major Axis Length	Minor Axis Length		T
Mean		288.69	85.97	34.97	13.31		
td. Dev.		44.89	5.69	2.02	1.56		
1	#1	316.11	85.60	34.54	14.72		
2	#2	338.64	95.10	39.06	14.34		
3	#3	323.87	87.55	35.32	14.55		
4	#4	340.17	93.05	36.61	15.47		
5	#5	292.58	87.30	35.50	13.22		
6	#6	284.96	86.29	34.93	13.41		
7	#7	301.37	87.57	35.50	13.60		
8	#8	240.61	81.41	33.82	11.33		
9	#9	234.48	78.31	32.28	11.52		
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