



BMT-TWA/Maize/2/10 ORIGINAL: English

DATE: November 29, 2007

INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS GENEVA

AD HOC CROP SUBGROUP ON MOLECULAR TECHNIQUES FOR MAIZE

Second Session
Chicago, United States of America, December 3, 2007

OVERVIEW OF GUIDANCE FOR DUS EXAMINATION

document prepared by the Office of the Union



OVERVIEW OF GUIDANCE FOR DUS EXAMINATION

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Guidance for Examination

facilitates:

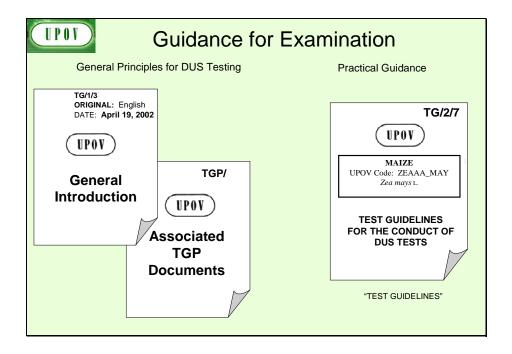
BEST PRACTICE (based on experience)

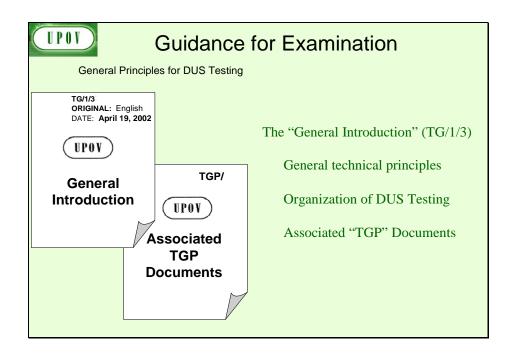
- => good decisions
- => good definition of the object of protection (strong protection)
- => efficiency in method of examination (learn from the best)

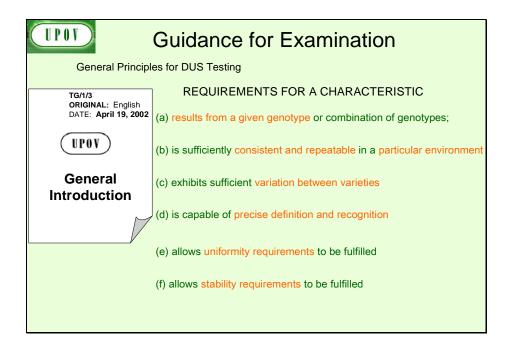
HARMONIZATION

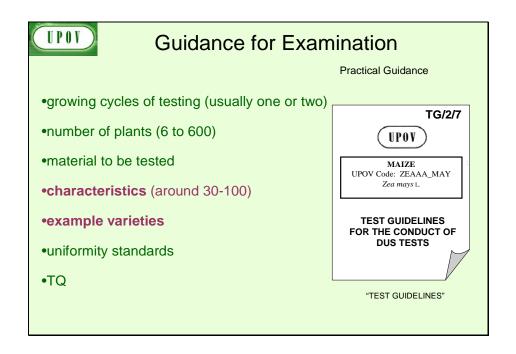
- => efficiency
 - mutual acceptance of DUS reports (minimize cost of examination for individual authorities)
 - mutual recognition of variety descriptions (all parties speak the same "language")
 - simple and cheap system for applicants (minimize cost for breeders)

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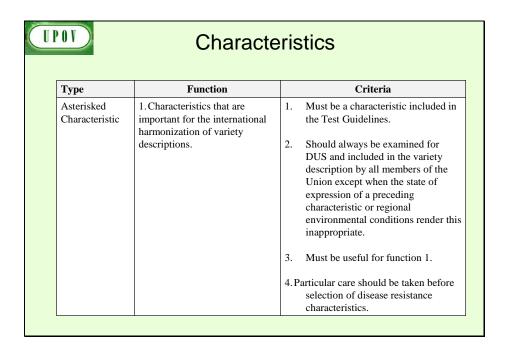


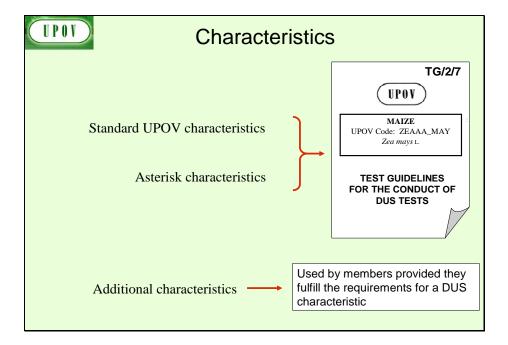


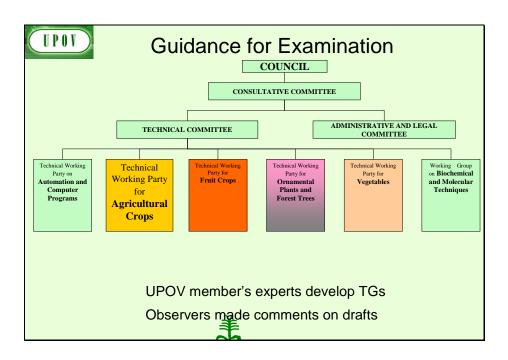


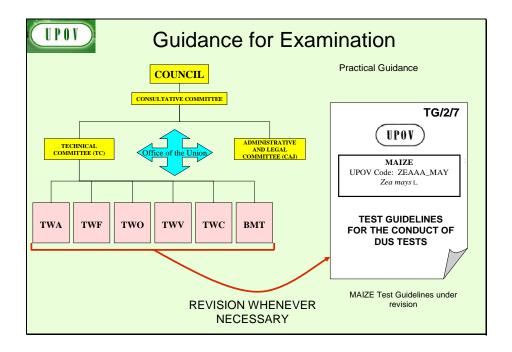


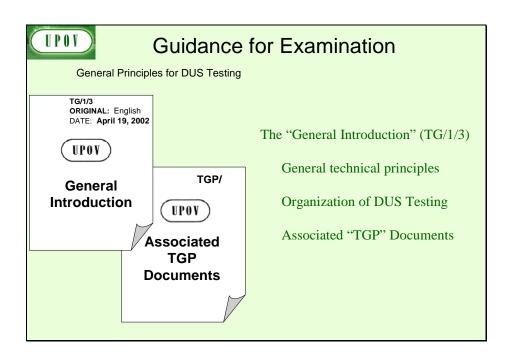
Type	Function	Criteria
Standard Test Guidelines Characteristic	Characteristics that are accepted by UPOV for examination of DUS and from which members of	1. Must satisfy the criteria for use of any characteristic for DUS as so out in Chapter 4, section 4.2.
	the Union can select those suitable for their particular circumstances.	Must have been used to develop variety description by at least on member of the Union.
		3. Where there is a long list of suc characteristics and, where considered appropriate, there may be an indication of the extent of us of each characteristic.

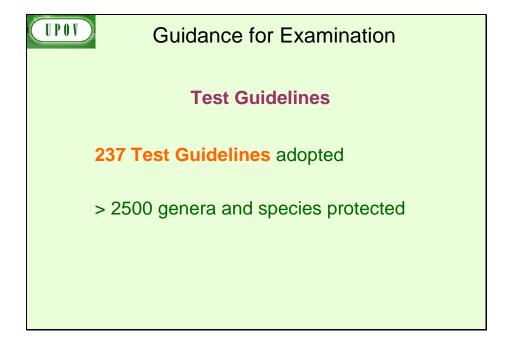






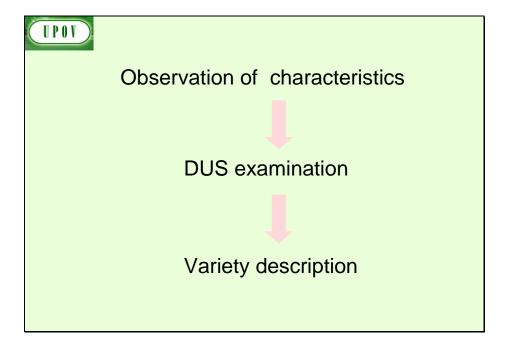




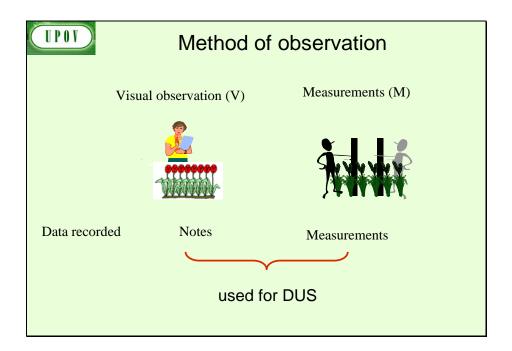


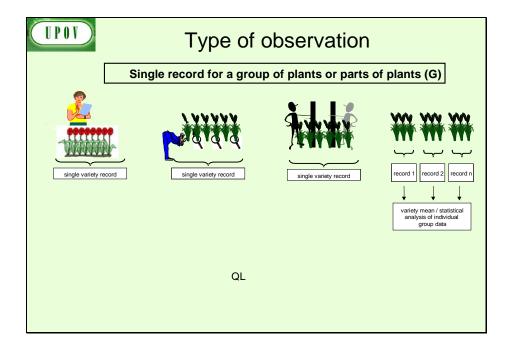


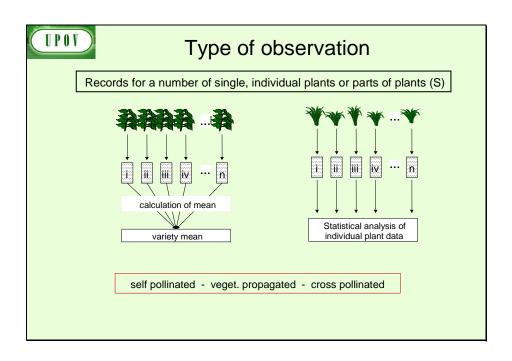
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UPOV

Type of observation

VG

First leaf: anthocyanin coloration of sheath

First leaf: shape of tip

Leaf: angle between blade and stem

Leaf: attitude of blade

Tassel: anthocyanin coloration at base of glume

Tassel: anthocyanin coloration of glumes excluding

base

Tassel: anthocyanin coloration of anthers

Tassel: density of spikelets

Tassel: angle between main axis and lateral branches

Tassel: attitude of lateral branches

VG

Ear: anthocyanin coloration of silks

Ear: intensity of anthocyanin coloration of silks

Leaf: anthocyanin coloration of sheath (in middle of

plant)

Ear: type of grain

Ear: color of top of grain

Ear: color of dorsal side of grain

Ear: shape

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Type of observation

MG

Tassel: time of anthesis

Tassel: number of primary lateral branches

Ear: time of silk emergence (50% of plants)

MS

Tassel: length of main axis above <u>lowest</u> lateral branch

Tassel: length of main axis above upper lateral branch

Tassel: length of side branches

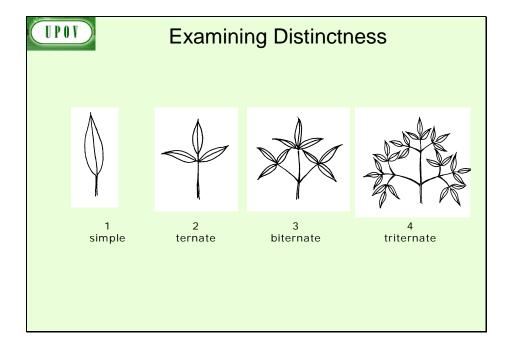
Leaf: width of blade (leaf of upper ear on the widest part)

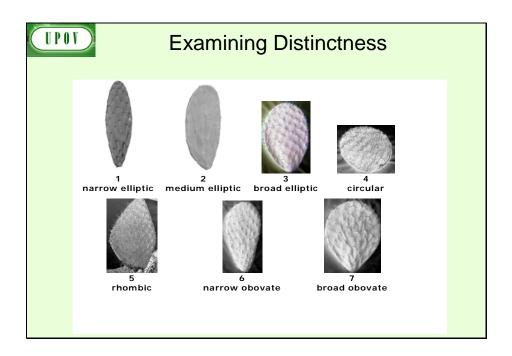
Ear: length of peduncle

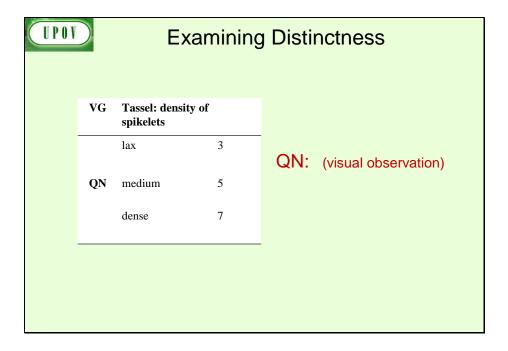
Ear: length

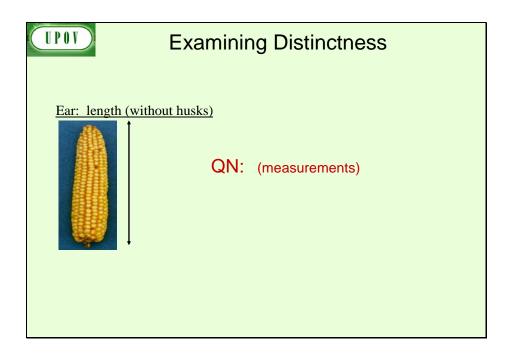
Ear: diameter (in middle)

Ear: number of rows of grain

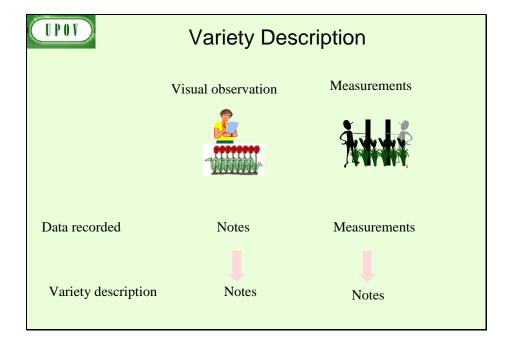








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