



International Union for the Protection of New Varieties of Plants

**Technical Working Party for Agricultural Crops** 

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## ADDENDUM TO: NEW TECHNOLOGIES IN DUS EXAMINATION

Document prepared by an expert from China

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The annex to this document contains a copy of a presentation "Image analysis for Maize ear and grain", to be made by an expert from China, at the fifty-second session of the TWA.

[Annex follows]

## **ANNEX**





## 1. Background





There are 15 characteristics which occupied 34% of all morphological Chr. in Chinese Maize TGs

	Characteristics name Ear: length	Type MS
	Ear: diameter (in middle)	MS
	Ear: number of rows of grain	MS
	Ear: shape	VG
34	Ear: number of colors of grains	VG
35	Only varieties with ear type of grain: sweet: Grain: intensity of yellow color	VG
36	Only varieties with ear type of grain: sweet: Grain: length	VG
37	Only varieties with ear type of grain: sweet: Grain: width	VG
38	Only varieties with ear type of grain: sweet: Ear: shrinkage of top of grain	VG
39	Ear: type of grain	VG
40	Ear: color of top of grain	VG
41	Ear: color of dorsal side of grain	VG
42	Ear: shape of grain	VG
43	Ear: anthocyanin coloration of glumes of cob	VG
44	Pop: Type of popped grain	VG

Beijing Sub-center of New Plant Variety Tests, MARA, China

## Ear: color of top of grain Ear: de fine from the fine fr























