

TWA/34/13 Add.
ORIGINAL: English

**DATE:** November 18, 2005

### INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS GENEVA

#### TECHNICAL WORKING PARTY FOR AGRICULTURAL CROPS

Thirty-Fourth Session
Christchurch, New Zealand, October 31 to November 4, 2005

ADDENDUM TO DOCUMENT TWA/34/13

PROJECT TO CONSIDER THE PUBLICATION OF VARIETY DESCRIPTIONS: BARLEY

Document prepared by the Office of the Union

At the thirty-fourth session of the Technical Working Party for Agricultural Crops held in Christchurch, New Zealand, from October 31 to November 4, 2005, Mr. Gerhard Deneken (Denmark), Coordinator for the Model Study for Barley, made a presentation concerning the Model Study for Barley, as reported in document TWA/34/13. A copy of that presentation is presented as an Annex to this document.

[Annex follows]

### Harmonisation of Descriptions of Barley Varieties Summary/conclusions



- 12 characteristics from TG/19/10 are considered to be harmonised.
- 5 of 18 asterix characteristics are considered to be non harmonised.
  - maintenance of example varieties
  - routinely ring tests between testing offices
- Potential of the discriminative power depends on
  - the selected characteristics and
  - the estimated minimum distance.
  - A reduction of the minimum distance increases the discriminative power, but also increases the chance of declaring a variety distinct against itself.
- Using the grouping characteristics eliminate approximately 58% of all unnecessary variety comparisons.

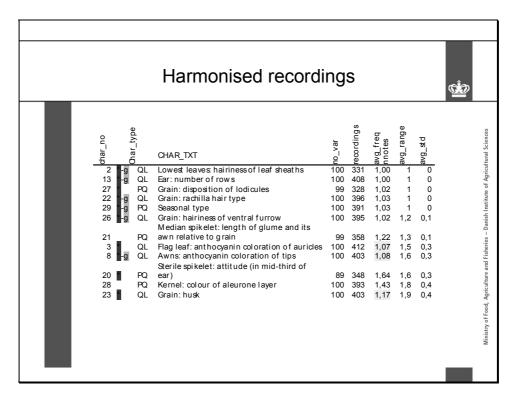
# Example of Harmonisation Evaluation Selected characteristics of Meltan

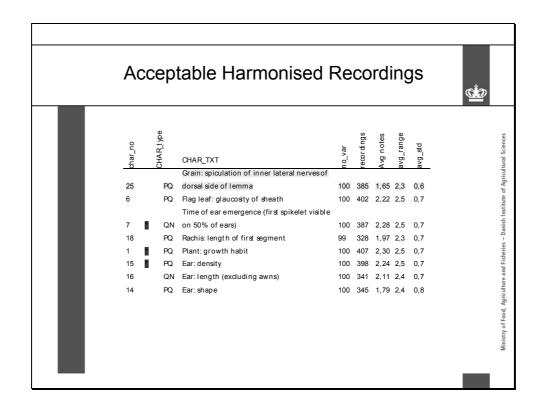
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						Stage of expression											
char_no	CHAR_TYPE		CHAR_TXT	var_id	prov_desc	-	- 2	6	4_	2	9	_7_	8-	6	freq_nates	range	stq
1	*-g	PQ	Plant: growth habit	MELTAN	6			1	1	3	1				4	4	1,03
2	*	QL	Lowestleaves: hairiness of leafsheaths	MELTAN	5	5									1.	-1	0
3	*	QL	Flag leaf anthocyanin coloration of auricles	MELTAN	6									5	2	5	1,63
4	*	PQ	Flag leaf intensity of anthocyan in coloration of auricles	MELTAN	6						1	2	2	1	4	4	1,05
5		PQ	Plant: frequency of plants with recurved flag leaves	MELTAN	5	1				1		3			3	7	2,61
6		PQ	Flag leaf glaucosity of sheath	MELTAN	6							4	2		2	2	0,52
7	*	QN	Time of ear emergence (first spikelet visible on 50% of e	MELTAN	6		- 1	- 1	2		2				4	5	1,6
8	*-g	QL	Awns: anthocyanin coloration of tips	MELTAN	6									6	1	1	0
9	*	PQ	Awns: intensity of anthocyanin coloration of tips	MELTAN	6			1		3	2				3	4	1,1
10	*	PQ	Ear. glaucosity	MELTAN	6					5	1				2	2	0,41
11		PQ	Ear. attitude	MELTAN	6		1	3	1	1					4	4	1,03
12	*	QN	Plant: length (stem, ear and awns)	MELTAN	5	1	1	1		2					4	5	1,79
13	*-g	QL	Ear: number ofrows	MELTAN	6	6									1	1	0
14		PQ	Ear. shape	MELTAN	4					3					2	4	1,5
						total 2						total 28	1871 records				

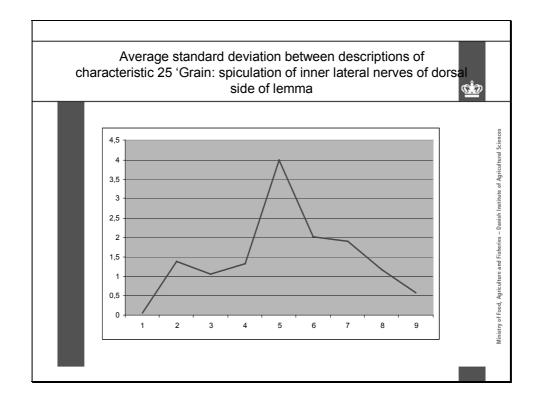
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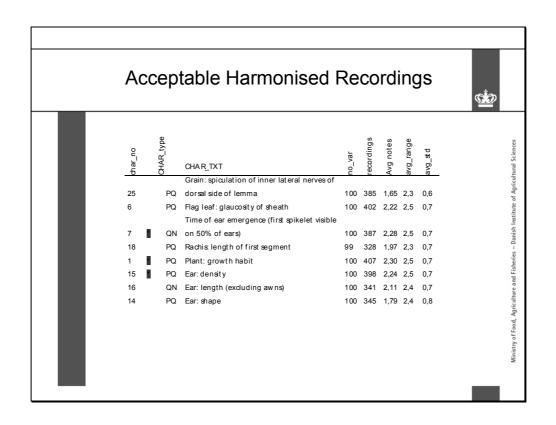
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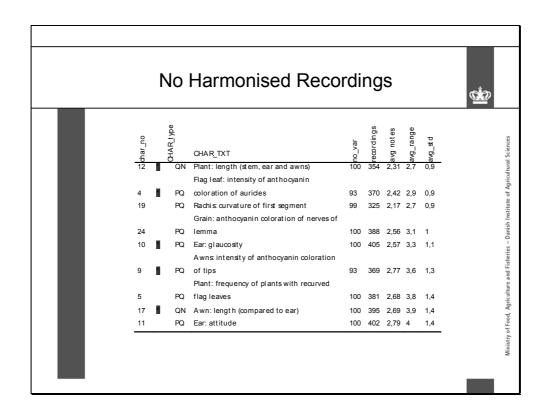


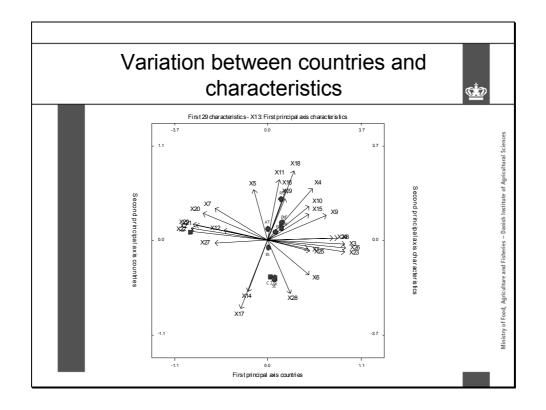


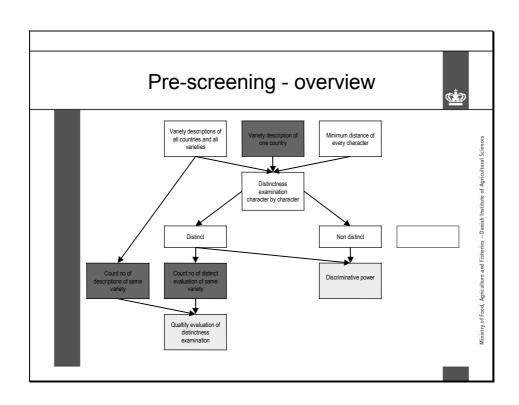
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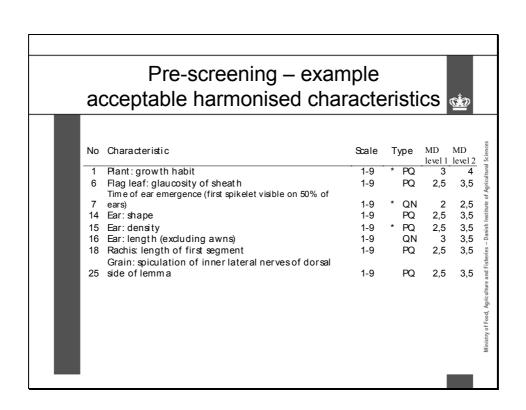


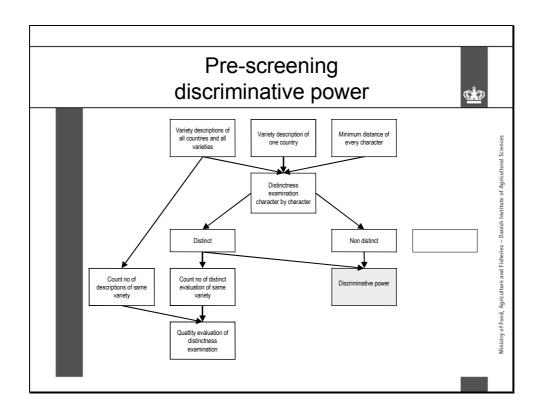


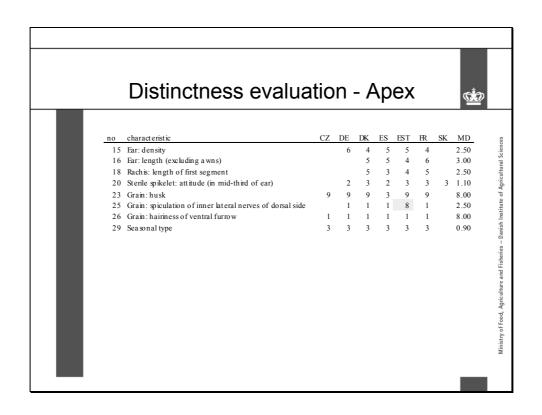


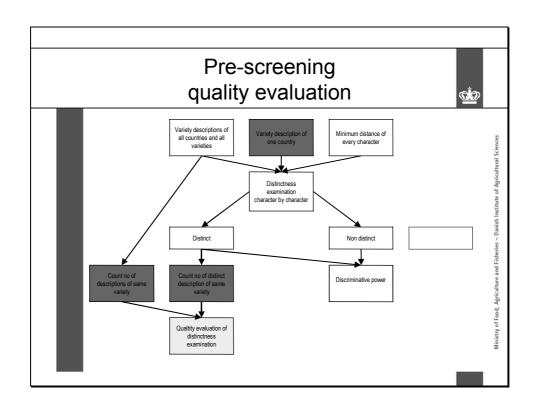


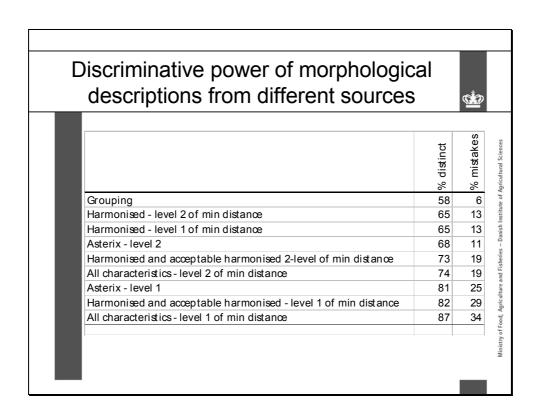












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