



TWA/32/9

ORIGINAL: English

DATE: September 3, 2003

INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS
GENEVA

**TECHNICAL WORKING PARTY
FOR
AGRICULTURAL CROPS**

**Thirty-Second Session
Tsukuba, Japan, September 8 to 12, 2003**

COMMENTS FROM THE RUSSIAN FEDERATION ON TEST GUIDELINES FOR
LUPINS (DOCUMENT TG/66/4(PROJ.3)), LUCERNE (DOCUMENT TG/6/5(PROJ.1)),
MEDICAGO (TG/MEDICS (PROJ. 1))

Document prepared by experts from the Russian Federation

Comments on Test Guidelines for Lupins (TG/66/4(proj.3))

Table of Characteristics:

Ch. 2. Time of observation of the characteristic (at vegetative stage) is *too undefined*. Propose to remain it like in old version of the Test Guidelines TG/66/3: **Plant: height three weeks after seedling emergence.**

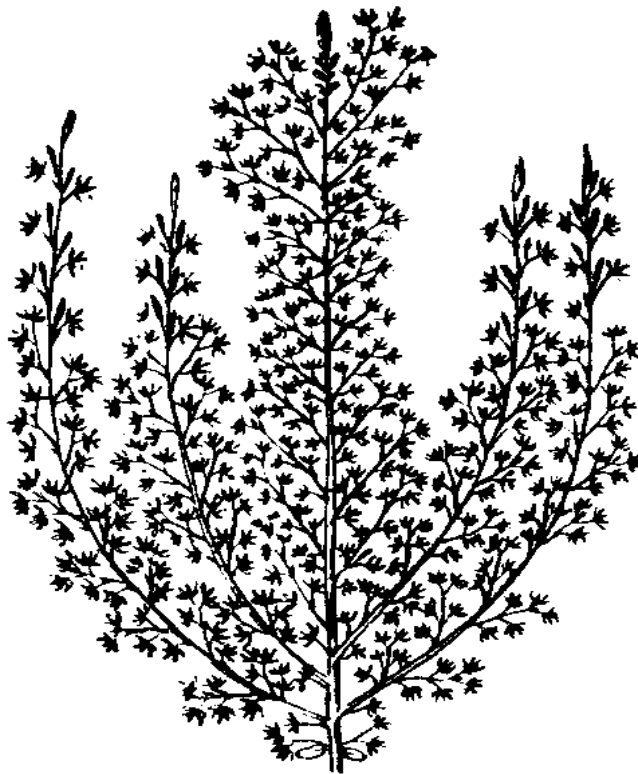
or

Explanation to Ch. 2 should read: To be observed on the whole trial **at beginning** of bud emergence of the earliest variety.

Ch. 3 and 4. Time of observation of the characteristic (prior to bud emergence) is *too undefined*. Propose to remain it like in old version of the Test Guidelines TG/66/3: **at flower bud stage.**

Ch. 10. Change name of the characteristic and states of expression: Flower: color of tip of carina in comparison with carina – **lighter (1), equal (2), darker (3)**

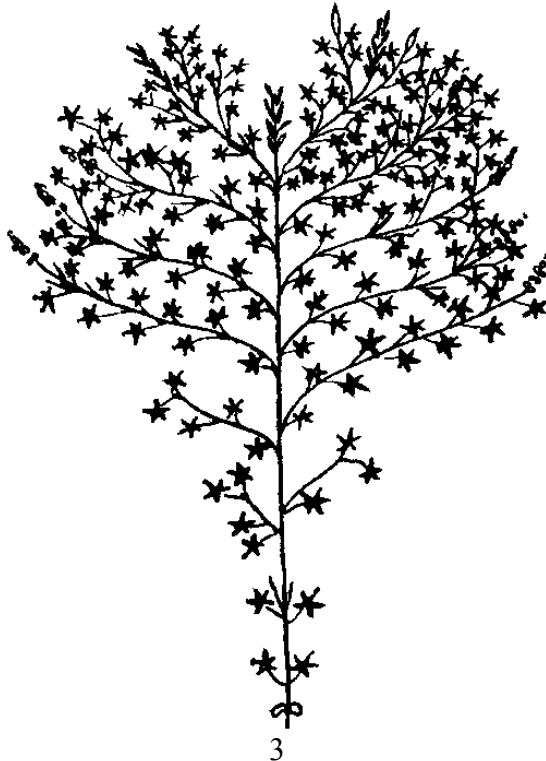
After Ch. 10. to add a characteristic: Plant: type of branching. The states of expression: predominantly at base (1), along the stem (2), predominantly at upper part (3). We can provide the characteristic with drawings:



1
predominantly at base



2
along the stem



predominantly at upper part

After Ch. 17. to add a characteristic: Grain: main color. The states of expression: white (1), grey (2), other (3).

Explanations on the Table of Characteristics:

Ad. 11. To delete explanations for spring time and winter time (due to non-mentioned anywhere). It would be better to provide a drawing to explain determinate and indeterminate type of growth.

Comments on Test Guidelines for Lucerne (document TG/6/5(proj. 1))

Method of Examination

3.5.2 If density of sowing is 200 plants per meter it is impossible to isolate exactly 18 plants in row plot. It would be better all measurements to make on 18 plants or parts of plants taken from plots of type A.

Grouping of Varieties and Organization of the Growing Trail

5.3 To add characteristic 4: Time of beginning of flowering

Table of Characteristics:

To add characteristic 3 from the old Test Guidelines TG/6/4: Plant: growth habit.

There is no one characteristic for leave or stipule. We consider some (all) of them should be kept due to their importance.

Explanations on the Table of Characteristics:

It is necessary to have explanations to the characteristic 4. Determination of time of beginning of flowering is quite complicated. We need a harmonized approach from all countries, for example, when 10% of plants have 3 flowers burst on central stem.

Technical Questionnaire:

Section 5. To add characteristic 4

Comments on Test Guidelines for Medicago TG/MEDICS(proj. 1)

Table of Characteristics:

Ch.4. To add a state of expression: yellow

Ch. 8. To have explanation how to observe this characteristic.

Ch. 9. To have explanation on which stage to observe.

After the characteristic 9 to insert a characteristic: Plant: length (the most long stem under full flowering). The states of expression: short (3), medium (5), long (5).

Ch. 10. To add an explanation or drawing.

Ch. 17. To have a drawing.

After the characteristic 18 to add:

- a characteristic: Leaflet: pubescence of lower side. The states of expression: sparse (3), medium (5), dense (7);
- a characteristic: Leaflet: pubescence type. The states of expression: adpressed (1), sticking up (2), mixed up fluff. The explanation: adpressed – when hairs adpress to leave blade; sticking up – hairs are under right angle to leave blade; mixed up fluff – hairs mix up and intertwine with each other.

After ch. 22. to add a characteristic: Flower: main color of petal. The states of expression: white, light yellow, yellow, orange, light pink, pink, lilac, violet. The explanation: color of petal is observed by predominant hue on full flowering of plants.

Ch. 24. Are there two color types only?

Ch. 27. To add one more state of expression: sickle-shaped.

Explanations on the Table of Characteristics:

To add explanations to ch. 8.

Ch. 9. To have explanation on which stage to observe.

Ch. 10. To add an explanation or drawing.

Ch. 17. To add a drawing.

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