

WHITE CLOVER (*Trifolium repens* L) DESCRIPTORS

III CHARACTERIZATION AND EVALUTION DESCRIPTORS

Methods of WHITE CLOVER evolution and characterisation:

Accessions are sowing in the field in spring, without cover culture with hands. Each accession take 2 m long 2 rows. Distance between rows are 60 cm, but between plots 1 m. Each plot are 1 m² large. Minimal replicates number are 2 – 3, arrangement was random.

Standard cultivar is 'Daile'. Standard cultivar is included in the common sample evaluation.

Accession evaluation time are sowing year and two next using year, plots are fertilized with complex minerals 200 kg/ha.

Characteristics was determined by using 9 point system.

Characterization of testing location:

- a. Contry of characterization
- b. Institute name and address
- c. Institute site (latitude, longitude, elevation)
- d. Sowing date
- e. Harvest date
- f. Percentage field establishment
- g. Plot size
- h. Number of replications
- i. Fertilizer (types, doses)
- j. Plant protection

ENVIRONMENT CHARACTERISTIC

- k. Soil type
- l. Relief
- m. Soil pH
- n. Soil organic matter content
- o. Soil texture

Descriptor code	Number of trait in other descriptor	Descriptor scale (score)	Reference values	Remark
Characteristic				
III/1		Growing type		
		1 - dwarf form 2 - medium form 3 - giganteum form		Value at flowering.
III/2		Tendency to form inflorescences in sowing year		
		1 - very low 5 - medium 9 - very high	Flowered some plants 50% of plants practically all plants	Evaluate in the beginning of September in all plot (row).
III/3		Winter damage (after first winter)		
		1 - very little or not damage 5 - medium damage 9 - very high	< 10% 50% plant damage > 90%	In spring, two weeks after beginning vegetation.
III/4		Regrow after winter		
	IPGRI 4.1.3.	1 - very low 5 - medium 9 - very high	3 cm 5 cm 10 cm	Value in spring two weeks after beginning vegetation.
III/5		Plant habit		
	IPGRI 4.1.2.	1 - erect 5 - semi-erect 9 - prostrate		Value at flowering.
III/6		Leaflet shape		
	IPGRI 4.1.4.	1 - round 2 - oval 3 - obovate 4 - obcordate		Evaluate in all plot (row), at flowering, 5 plants.
III/7		Leaflet ape shape		
	IPGRI 4.1.6.	1 - truncate 2 - rounded 3 - emarginate		Evaluate in all plot (row), at flowering, 5 plants.

III/8		Terminal leaflet length (mm)		
	IPGRI 4.1.7.	1 - very short 9 - very long	5 20	Evaluate in all plot (row), at flowering, 5 plants.
III/9		Terminal leaflet width (mm)		
	IPGRI 4.1.8.	1 - very narrow 9 - very wide	5 20	Evaluate in all plot (row), at flowering, 5 plants.
III/10		Leaf markings (intensively)		
	IPGRI 4.1.12	1 - poor 2 - medium 3 - strong		Evaluate in all plot (row), at flowering, 5 plants.
III/11		Leaf color		
	IPGRI 4.1.10.	1 - light green 2 - dark green 3 - variable		
III/12		Date of flowering		
	IPGRI 4.2.1.	1 - very early 9 - very late	end of may end of june	Day when 50% of plants first show petal colour development on an in floescence.
III/13		Petal colour of florets		
	IPGRI 4.2.3.	1 - white 2 - whitish-pink 3 - other		At full flowering.
III/14		Yield of first cut		
	IPGRI 6.2.3.	1 - very low 9 - very high		In beginning of flowering yield relative to adjusted designed control.
III/15		Yield of second cut		
	IPGRI 4.1.4.	1 - very low 9 - very high		In beginning of flowering yield relative to adjusted designed control.
III/16		Color of seed coat		
	IPGRI 4.2.4.	1 - yellow 2 - brown 3 - other		After harvesting.

III/17		Resistance to verticillicum		
		1 - very low 9 - very high		
III/18	Notes			
III/19	Cytological characteristics and identified genes			
III/20	Molecular markers			
III/21	Pictures			

Explanations and References

Descriptors for White Clover (*Trifolium repens* L.) IBPGR, Rome 1992.

Клевер белый. Н. В. Машарова. Россельхозиздат.1970.