

GRASSES AND LEGUMES

-- Leguminosae --

CHICK PEA (*Cicer arietinum* L.)

Stage of examination	UPOV Character Number #	Character description
<u>PRIMARY</u>		
Vegetative	-	plant: growth habit
	-	plant: hairiness
	-	leaf: colour
	-	leaflet: size
	-	leaflet: number
	-	stem: basal pigmentation
At the beginning of flowering	-	time of flowering
	-	leaflet: number per leaf
	-	leaflet: glossiness of upper side
	-	leaflet: pubescence of upper side
	-	petiole: length
At flowering	-	stem: length
	-	flower: location
	-	flower: colour
	-	flower: size of bracts
	-	flower: number per peduncle
At maturity	-	time of maturity
	-	pod: number of seeds per pod
	-	pod: constrictions
	-	pod: surface texture
	-	pod: tip shape
	-	pod: length
	-	pod: breadth
	-	pod: cross-sectional shape
	-	pod: stringiness
	-	pod: dehiscence

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CHICK PEA
(continued)
(*Cicer arietinum* L.)

Stage of examination	UPOV Character Number #	Character description
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PRIMARY (cont.)

Seed	-	seed: testa colour
	-	seed: size
	-	seed: cotyledon colour
	-	seed: shape
	-	seed: surface

SECONDARY

Vegetative	-	plant: canopy height
	-	plant: width
At flowering	-	plant: length of first flowering node
	-	plant: primary branches
	-	plant: secondary branches
	-	leaflet: size
	-	leaflet: shape of apex
Seed	-	seed: length of beak
	-	seed: shape of beak
	-	seed: colour of beak

There are no UPOV Guidelines for the Conduct of Tests for Distinctness, Homogeneity and Stability for this species.

Sources: CAN, GRC, AUS, MAR

CROWN VETCH
(*Coronilla varia* L.)

Stage of examination	UPOV character number #	Character description
<u>PRIMARY</u>		
Vegetative, 12 weeks after seedling emergence	-	plant: growth habit
	-	plant: seedling height
	-	plant: canopy size
	-	leaf: size of secondary leaf
	-	leaf: colour
	-	leaf: hair type
At flowering	-	plant: height
	-	plant: growth habit
	-	time of flowering
	-	flower: colour
<u>SECONDARY</u>		
Seed	-	seed: tannin content

There are no UPOV Guidelines for the Conduct of Tests for Distinctness, Homogeneity and Stability for this species.

Sources: CZE, USA

SOYA BEAN
(*Glycine max* (L.) Merrill)

Stage of examination	UPOV character number *	Character description
<u>PRIMARY</u>		
Vegetative	1	hypocotyl: anthocyanin colouration
At flowering	3	plant: growth habit
	5	plant: colour of hairs
	6	leaf: shape of lateral leaflet
	7	leaf: colour
	9	flower: colour
At maturity	15	time of beginning of flowering (one flower open on 10% of plants)
	4	plant: height
	16	time of maturity
<u>SECONDARY</u>		
Vegetative	2	plant: growth type
At flowering	3	plant: growth habit
	8	leaflet: size
At pod development	10	pod: colour
At maturity	11	seed: size
	12	seed: shape
	13	seed: colour of testa (excluding hilum)
	14	seed: hilum colour

* Reference :UPOV Guidelines for the Conduct of Tests for Distinctness, Homogeneity and Stability.
Doc No. TG/80/3 (4.10.1983)

Also classified as *Soja hispida* Moench

SULLA
(*Hedysarum coronarium* L.)

Stage of examination	UPOV Character number #	Character description
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PRIMARY

Vegetative	-	plant: height
	-	stem: thickness at middle of stem
	-	leaf: shape of terminal leaflet
	-	leaf: length of terminal leaflet
	-	leaf: width of terminal leaflet
At the beginning of flowering	-	time of flowering
At flowering	-	flower: colour

SECONDARY

Vegetative	-	plant: growth habit
	-	plant: branching
	-	leaf: number per stem
	-	leaflet: number per leaf
At full maturity	-	flower: persistence of flowering into autumn

There are no UPOV Guidelines for the Conduct of Tests for Distinctness, Homogeneity and Stability for this species.

Sources: GRC, ITA

DWARF CHICKLING VETCH
(*Lathyrus cicera* L.)

Stage of examination	UPOV Character Number #	Character description
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PRIMARY AND SECONDARY

At full maturity	-	pod: shape
	-	pod: constrictions
Seed	-	seed: shape
	-	seed: size
	-	seed: basic colour
	-	seed: ornamentation
	-	seed: colour of cotyledons

There are no UPOV Guidelines for the Conduct of Tests for Distinctness, Homogeneity and Stability for this species.

Source: GRC

LENTIL
(*Lens culinaris* Medikus)

Stage of examination	UPOV Character number #	Character description
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PRIMARY AND SECONDARY

Vegetative	-	plant: growth habit
	-	stem: thickness
	-	stem: anthocyanin pigmentation at base
	-	stem: anthocyanin pigmentation at tip
	-	stem: degree of branching
At the beginning of flowering	-	leaflet: size
	-	leaflet: shape
	-	leaflet: number per leaf
	-	leaflet: shape of tip
	-	leaflet: colour
	-	leaflet: dentation of margin
	-	leaflet: glossiness of upper side
	-	leaflet: pubescence of upper side
At flowering	-	time of flowering
	-	plant: growth habit
	-	flower: height of first flowering node
	-	flower: size
	-	flower: colour
	-	flower: colour of petal veins
	-	flower: location
	-	flower: number per inflorescence
	-	flower: colour
	-	flower: size of bracts
	-	peduncle: anthocyanin
	-	sepal: length
	-	sepal: width
	-	sepal: shape of tip
	-	tendrils: present/absent

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LENTIL
(continued)
(*Lens culinaris* Medikus)

Stage of examination	UPOV character number #	Character description
At maturity	-	plant: height
	-	time of maturity
	-	pod: number of seeds per pod
	-	pod: number of pods per inflorescence
	-	pod: surface
	-	pod: constrictions
	-	pod: tip
	-	pod: length
	-	pod: breadth
	-	pod: cross-sectional shape
	-	pod: curvature
	-	pod: direction of curvature
	-	pod: stringiness
	-	pod: colour
	-	pod: pubescence
Seed	-	seed: shape
	-	seed: size
	-	seed: colour of testa
	-	seed: colour of hilum
	-	seed: cotyledon colour
	-	seed: surface texture
	-	seed: number per pod
	-	seed: 1000 seed weight
	-	seed: anthocyanin colouration
	-	seed: shape of anthocyanin markings
	-	seed: colour of anthocyanin markings
-	type: whole yellow or split red	

There are no UPOV Guidelines for the Conduct of Tests for Distinctness, Homogeneity and Stability for this species.

Sources: CAN, NZL

Also includes *Lens esculenta* Moench

BIRDSFOOT TREFOIL
(*Lotus corniculatus* L.)

Stage of examination	UPOV character number #	Character description
<u>PRIMARY AND SECONDARY</u>		
At commencement of flowering in second year	-	commencement of flowering (3 heads with at least 1 flower open)
At flowering	-	plant: growth habit
	-	plant: height
	-	plant: horizontal spread
	-	stem: colour
	-	stem: hairiness
	-	stem: solidity
	-	leaflet: length of terminal
	-	leaflet: width of terminal
	-	leaflet: distance of widest part below tip
	-	leaflet: shape of terminal
	-	leaflet: colour
	-	leaflet: pubescence
	-	leaflet: veins on lower surface
	-	flower: average number per head
	-	flower: length from base of calyx to keel tip
	-	flower: basal colour
-	flower: colour of tingeing	
-	flower: intensity of flowering	
-	calyx: length of teeth	
-	calyx: attitude of teeth	
-	calyx: pubescence	
-	calyx: shape of upper sinus	
At maturity	-	pod: number per head
	-	pod: length
	-	pod: style
Seed	-	seed: 1000 seed weight
	-	seed: shape
	-	seed: colour
Seedling	-	ploidy: number

There are no UPOV Guidelines for the Conduct of Tests for Distinctness, Homogeneity and Stability for this species.

Sources: CZE, ITA, FRA, USA, NZL

SLENDER BIRDSFOOT TREFOIL
(*Lotus tenuis* Waldst. et Kit. ex Willd.)

Stage of examination	UPOV character number #	Character description
<u>PRIMARY AND SECONDARY</u>		
At commencement of flowering in second year	-	commencement of flowering (3 heads with at least 1 flower open)
At flowering	-	plant: growth habit
	-	plant: height
	-	plant: horizontal spread
	-	stem: colour
	-	stem: hairiness
	-	stem: solidity
	-	leaflet: length of terminal
	-	leaflet: width of terminal
	-	leaflet: distance of widest part below tip
	-	leaflet: shape of terminal
	-	leaflet: colour
	-	leaflet: pubescence
	-	leaflet: veins on lower surface
	-	flower: average number per head
	-	flower: length from base of calyx to keel tip
	-	flower: basal colour
-	flower: colour of tingeing	
-	flower: intensity of flowering	
-	calyx: length of teeth	
-	calyx: attitude of teeth	
-	calyx: pubescence	
-	calyx: shape of upper sinus	
At maturity	-	pod: number per head
	-	pod: length
	-	pod: style
Seed	-	seed: 1000 seed weight
	-	seed: shape
	-	seed: colour

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SLENDER BIRDSFOOT TREFOIL

(continued)

(*Lotus tenuis* Waldst. et Kit. ex Willd.)

Stage of examination	UPOV character number #	Character description
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Seedling	-	ploidy: number
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There are no UPOV Guidelines for the Conduct of Tests for Distinctness, Homogeneity and Stability for this species.

Sources: HUN, NZL

Also called Narrow-leaf Trefoil (NZL)

GREATER BIRDSFOOT TREFOIL
(*Lotus uliginosus* Schk.)

Stage of examination	UPOV character number #	Character description
<u>PRIMARY AND SECONDARY</u>		
At commencement of flowering in second year	-	commencement of flowering (3 heads with at least 1 flower open)
At flowering	-	plant: growth habit
	-	plant: height
	-	plant: horizontal spread
	-	stem: colour
	-	stem: hairiness
	-	stem: solidity
	-	leaflet: length of terminal
	-	leaflet: width of terminal
	-	leaflet: distance of widest part below tip
	-	leaflet: shape of terminal
	-	leaflet: colour
	-	leaflet: pubescence
	-	leaflet: veins on lower surface
	-	flower: average number per head
	-	flower: length from base of calyx to keel tip
	-	flower: basal colour
	-	flower: colour of tingeing
-	flower: intensity of flowering	
-	calyx: length of teeth	
-	calyx: attitude of teeth	
-	calyx: pubescence	
-	calyx: shape of upper sinus	
At maturity	-	pod: number per head
	-	pod: length
	-	pod: style
Seed	-	seed: 1000 seed weight
	-	seed: shape
	-	seed: colour
Seedling	-	ploidy: number

There are no UPOV Guidelines for the Conduct of Tests for Distinctness, Homogeneity and Stability for this species.

Source: NZL

WHITE LUPIN, BLUE LUPIN, YELLOW LUPIN
(*Lupinus albus L.*, *Lupinus angustifolius L.*, *Lupinus luteus L.*)

Stage of examination	UPOV character number *	Character description
<u>PRIMARY</u>		
At flowering	8	terminal leaflet: length of leaf just below uppermost branch carrying flowers
	10	flower: colour
	16	flower: time of beginning of flowering
<u>SECONDARY</u>		
Three weeks after seedling emergence	2	plant: height
	3	plant: growth habit
At flower bud	4	leaf: colour
	5	stem: anthocyanin colour
At beginning of flowering	6	plant: height
	9	terminal leaflet: width of leaf just below uppermost branch carrying flowers
	11	flower: colour of tip of carina
At green ripening	7	plant: height
	12	pod: length (in midst of main inflorescence)
At full maturity	13	grain: ground colour
	14	grain: ornamentation
	15	grain: 1000 seed weight
	18	time of ripening

* Reference :UPOV Guidelines for the Conduct of Tests for Distinctness, Homogeneity and Stability.
Doc No. TG/66/3 (14.11.1979)

BLACK MEDIC TREFOIL
(*Medicago lupulina* L.)

Stage of examination	UPOV Character number #	Character description
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PRIMARY

At full flowering	-	plant: growth habit
	-	plant: height of main foliage bulk
	-	leaf: colour
	-	leaf: shape of middle leaflet
	-	flower: colour
	-	flower: size

SECONDARY

Vegetative in year of sowing	-	plant: growth habit
	-	plant: tendency to flowering
	-	leaf: colour

There are no UPOV Guidelines for the Conduct of Tests for Distinctness, Homogeneity and Stability for this species.

Source: POL

LUCERNE
(*Medicago sativa* L.)

Stage of examination	UPOV Character number *	Character description
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PRIMARY

At early flower bud	6	leaf: width of central leaflet
At flowering	7	flower: time of beginning of flowering
	8	flower: frequency of plants with very dark blue violet flowers
	9	flower: frequency of plants with variegated flowers
	12	plant: natural height

SECONDARY

At early flower bud	5	leaf: length of central leaflet
At full flowering	4	stem: length of longest stem (including head)

* Reference :UPOV Guidelines for the Conduct of Tests for Distinctness, Homogeneity and Stability.
Doc No. TG/6/4 (21.10.1988)

Also includes *Medicago x varia* T. Martyn

WHITE SWEETCLOVER
(*Melilotus alba* Medikus)

Stage of examination	UPOV Character number #	Character description
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PRIMARY

In the second year at beginning of growth	-	plant: growth habit
	-	plant: spring vigour
	-	leaf: size
	-	leaf: colour
At flowering	-	plant: height
	-	stem: thickness
	-	time of flowering
	-	flower: colour
	-	flower: size

SECONDARY

In the first year of growth	-	plant: growth habit
	-	leaf: colour

There are no UPOV Guidelines for the Conduct of Tests for Distinctness, Homogeneity and Stability for this species.

Source: CAN

Also classified as *Melilotus alba* Deer
Also known as Sweet Clover - White Blossom

YELLOW SWEETCLOVER
(*Melilotus officinalis* (L.) Pallas)

Stage of examination	UPOV character number #	Character description
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PRIMARY

In the second year at beginning of growth	-	plant: growth habit
	-	plant: spring vigour
	-	leaf: colour
	-	leaflet: size
At flowering	-	plant: height
	-	stem: thickness
	-	time of flowering
	-	flower: colour
	-	flower: size

SECONDARY

In first year of growth	-	plant: growth habit
	-	leaf: colour

There are no UPOV Guidelines for the Conduct of Tests for Distinctness, Homogeneity and Stability for this species.

Source: CAN

Also known as Sweet Clover - Yellow Blossom

SAINFOIN
(*Onobrychis viciifolia* Scop.)

Stage of examination	UPOV character number #	Character description
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PRIMARY

Vegetative	-	plant: growth habit
	-	plant: seedling height at 12 weeks
	-	plant: canopy
	-	leaf: size of secondary leaf
	-	leaf: colour
	-	leaf: hair type
At flowering	-	plant: height
	-	time of flowering
	-	flower: colour

SECONDARY

Seed	-	seed: tannin content
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There are no UPOV Guidelines for the Conduct of Tests for Distinctness, Homogeneity and Stability for this species.

Sources: CZE, USA

Also classified as *Onobrychis sativa* Lam.

SERRADELLA
(*Ornithopus sativus* Brot.)

Stage of examination	UPOV character number #	Character description
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PRIMARY AND SECONDARY

At the beginning of flowering	-	plant: growth habit
	-	time of flowering
	-	stem: density of hairs
	-	leaflet: shape
	-	leaflet: density of hairs
	-	leaflet: colour
	-	flower: colour
At maturity	-	pod: length

There are no UPOV Guidelines for the Conduct of Tests for Distinctness, Homogeneity and Stability for this species.

Source: NZL

FRENCH BEAN, NAVY BEAN
(*Phaseolus vulgaris* L.)

Stage of examination	UPOV character number *	Character description
<u>PRIMARY</u>	2	plant: growth type
[All observations of the growth habit and on leaves should be taken at time or full flowering.]	6	leaf: green colour
	11	time of flowering: 50% of the plants with at least one flower
	13	flower: size of bracts
	14	flower: colour of standard
	15	flower: colour of wings
[All observations on the pod should be taken at the commencement of seed swelling.]	17	pod: length (including beak)
	19	pod: cross section through seed
	-	pod: thickness
	20	pod: ground colour
	22	pod: pigmentation
	23	pod: colour of pigmentation
	25	pod: string
	30	pod: length of beak
	36	seed: size (1000 seed weight at dry stage)
	37	seed: shape of median longitudinal section
39	seed: colour	
40	seed: main colour	
41	seed: number of secondary colours	
42	seed: main secondary colour	
43	seed: distribution of main secondary colour	
45	seed: colour of hilar ring	
<u>SECONDARY</u>	26	pod: degree of curvature

* Reference :UPOV Guidelines for the Conduct of Tests for Distinctness, Homogeneity and Stability.
Doc No. TG/12/4 (19.11.1982)

FIELD PEA
(*Pisum sativum* L. sensu lato)

Stage of examination	UPOV Character Number *	Character description
<u>PRIMARY</u>		
Vegetative	2	plant: fasciation
	4	foliage: colour
	8	leaf: leaflets
	17	stipule: marbling before flowering (on 2 nodes below the first fertile node)
	19	stipule: anthocyanin ring
At flowering	24	standard: colour
	30	wing: colour
	53	time of flowering (50% of the plants)
<u>SECONDARY</u>		
Vegetative	5	foliage: intensity of colour
	7	stem: number of nodes up to and including first fertile node (including scale nodes)
	6	stem: length after flowering
	10	leaflet: size
	15	stipule: size
	18	stipule: intensity of marbling before flowering (on 2 nodes below the first fertile node)
Flowering	22	raceme: number of flowers
	26	standard: mucron

continued/

FIELD PEA
(continued)
(*Pisum sativum* L. sensu lato)

Stage of examination	UPOV Character Number *	Character description
	27	standard: undulation of margin
	28	standard: pleating
	29	wing: shape
At green pod	34	pod: length
	35	pod: parchment
	37	pod: colour
	39	pod: curvature
	41	pod: apex
	6	stem: length
At green shell stage	43	pod: number of ovules
At full maturity when grain is at dry stage	45	grain: 1000 seed weight
	46	grain: shape
	49	grain: colour of testa
	51	grain: hilum colour
	2	grain: colour of seed cotyledons

* Reference :UPOV Guidelines for the Conduct of Tests for Distinctness, Homogeneity and Stability.
Doc No. TG/7/4 (26.10.1981)

BERSEEM CLOVER
(*Trifolium alexandrinum* L.)

Stage of examination	UPOV character number #	Character description
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PRIMARY

In the second year at beginning of flowering	-	time of flowering (when 50% of plants begin to flower)
	-	plant: growth habit
	-	plant: height
	-	plant: presence of basal branching
	-	plant: presence of stem branching
	-	stem: length
	-	stem: thickness
	-	leaf: shape of central terminal leaflet
	-	leaf: length of central terminal leaflet
	-	leaf: width of central terminal leaflet
At flowering	-	flower: number
	-	flower: petal length
	-	flower: ramifications
	-	flower: length of bracts in relation to calyx
	-	flower: colour
	-	peduncle: presence/absence
Seed	-	seed: shape
	-	seed: colour
	-	seed: ornamentation
	-	seed: 1000 seed weight

SECONDARY

In year of sowing	-	plant: tendency to flower
In first winter	-	plant: winter hardiness

There are no UPOV Guidelines for the Conduct of Tests for Distinctness, Homogeneity and Stability for this species.

Sources: GRC, ITA, DEU, USA

Also known as Egyptian clover (DEU).

STRAWBERRY CLOVER
(*Trifolium fragiferum* L.)

Stage of examination	UPOV character number #	Character description
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PRIMARY

Vegetative	-	plant: growth habit
	-	plant: presence of basal branching
At commencement of flowering	-	tendency to perennial flowering habit
When three heads per plant are flowering	-	time of flowering
	-	flower: colour of corolla
1-2 weeks after flowering	-	leaf: length of central leaflet (3rd-4th leaf from end of tip of rapidly growing stolon)*
	-	leaf: width (as for *)
	-	leaf: marking; colour of crescent and associated anthocyanin markings
	-	leaf: pubescence on under surface
	-	leaf: glossiness of lateral leaves
	-	stem: thickness of stolon (as for *)
Seed	-	seed: testa colour
	-	seed: ornamentation
	-	seed: 1000 seed weight

SECONDARY

At beginning of growth in second year	-	plant: colour
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There are no UPOV Guidelines for the Conduct of Tests for Distinctness, Homogeneity and Stability for this species.

Sources: AUS, USA

ALSIKE CLOVER
(*Trifolium hybridum* L.)

Stage of examination	UPOV character number #	Character description
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PRIMARY AND SECONDARY

In second year at beginning of growth	-	plant: growth habit
	-	leaf: colour
At flowering	-	time of flowering (when three heads per plant are flowering)
	-	stem: anthocyanin colouration
	-	leaflet: length of central leaflet of the upper normally developed leaf below the terminal flower
	-	leaflet: width (as above)
One or two weeks after mean date of flowering	-	stem: length of longest stem including head
	-	stem: thickness
	-	stem: number of internodes
	-	stem: density of hairs
	-	leaf: frequency of plants with white marks
	-	flower: colour
	-	flower: head size
Seed	-	seed: colour of testa
Seedling	-	ploidy: number

There are no UPOV Guidelines for the Conduct of Tests for Distinctness, Homogeneity and Stability for this species.

Sources: CAN, SWE, DEU

CRIMSON CLOVER
(*Trifolium incarnatum* L.)

Stage of examination	UPOV character number #	Character description
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PRIMARY

In the second year at budding	-	plant: growth habit
	-	leaf: colour
	-	leaf: hairiness
	-	leaf: length of middle leaflet
	-	leaf: width of middle leaflet
At the beginning of flowering	-	plant: height
	-	time of flowering (when 50% of plants have flowers)
At full flowering	-	stem: length
	-	stem: hairiness
	-	stem: thickness
	-	flower: colour

SECONDARY

In year of sowing	-	plant: growth habit
	-	plant: tendency to flowering
At maturity	-	plant: time of maturity
Seed	-	seed: size
	-	seed: hard seededness

There are no UPOV Guidelines for the Conduct of Tests for Distinctness, Homogeneity and Stability for this species.

Sources: POL, HUN, DEU, USA

RED CLOVER
(*Trifolium pratense* L.)

Stage of examination	UPOV character number *	Character description
<u>PRIMARY</u>		
When three heads per plant are flowering	2	plant: time of flowering
	5	stem: number of internodes (longest stem including head, within 1-2 weeks after mean date of flowering. Lowest internode minimum 0.5cm)
	6	stem: density of hairs
	-	flower: colour
<u>SECONDARY</u>		
1 - 2 weeks after flowering	3	stem: length of longest stem including head
	4	stem: thickness
	7	leaf: length (central leaflet of the upper normally developed leaf below the terminal flower)
	8	leaf: width (central leaflet of the upper normally developed leaf below the terminal flower)
	9	leaf: frequency of plants with white marks
At maturity	10	seed: colour of coat
Seedling	1	ploidy: number

* Reference :UPOV Guidelines for the Conduct of Tests for Distinctness, Homogeneity and Stability.
Doc No. TG/5/4 (13.11.1985)

WHITE CLOVER
(*Trifolium repens* L.)

Stage of examination	UPOV character number *	Character description
<u>PRIMARY</u>		
1-2 weeks after flowering	1	leaf: length of central leaflet (3rd-4th leaf from end tip of rapidly growing stolon)
	2	leaf: width of central leaflet (3rd-4th leaf from end tip of rapidly growing stolon)
	3	leaf: frequency of plants with white marks
	4	leaf: length of petiole (3rd-4th leaf from end tip of rapidly growing stolon)
	5	leaf: thickness of petiole
	6	stem: thickness of stolon (3rd-4th leaf from end tip of rapidly growing stolon)
In year after sowing when three heads per plant are flowering	7	plant: time of flowering
<u>SECONDARY</u>		
At beginning of growth in second year	9	plant: colour
	8	leaf blade: frequency of plants with cyanid glucoside

* Reference :UPOV Guidelines for the Conduct of Tests for Distinctness, Homogeneity and Stability.
Doc No. TG/38/6 (13.11.1985)

PERSIAN CLOVER
(*Trifolium resupinatum* L.)

Stage of examination	UPOV character number #	Character description
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PRIMARY

In second year when plant begins flowering	-	plant: growth habit
	-	time of flowering (when 50% of plants have open flowers)
	-	stem: number of internodes
	-	stem: pubescence
	-	flower: shape
	-	flower: colour
	-	leaf: colour
	-	leaflet: length of middle leaflet
	-	leaflet: width of middle leaflet

SECONDARY

In the year of sowing	-	plant: tendency to flowering
1-2 weeks after flowering	-	stem: length of longest stem including head
	-	stem: thickness
	-	leaf: length (central leaflet of the upper normally developed leaf below the terminal flower)
	-	leaf: frequency of plants with coloured marks
At maturity	-	pod: shape
Seed	-	seed: coat colour

There are no UPOV Guidelines for the Conduct of Tests for Distinctness, Homogeneity and Stability for this species.

Sources: POL, AUS, GRC

ARROWLEAF CLOVER
(*Trifolium vesiculosum Savi*)

Stage of examination	UPOV character number #	Character description
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PRIMARY AND SECONDARY

Vegetative	-	plant: height
	-	plant: growth habit
	-	plant: winter hardiness
	-	leaf: colour
	-	leaf: presence of 'arrowleaf' marking
	At beginning of flowering	-
	-	inflorescence: colour
	-	inflorescence: intensity of purple colouration on petals

There are no UPOV Guidelines for the Conduct of Tests for Distinctness, Homogeneity and Stability for this species.

Source: USA

FENUGREEK
(*Trigonella foenum-graecum* L.)

Stage of examination	UPOV Character Number #	Character description
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PRIMARY AND SECONDARY

At beginning of flowering	-	time of flowering
At full flowering	-	plant: height
	-	pod: shape
	-	pod: pilosity
Seed	-	seed: shape
	-	seed: size
	-	seed: basic colour
	-	seed: ornamentation
	-	seed: colour of hilar ring

There are no UPOV Guidelines for the Conduct of Tests for Distinctness, Homogeneity and Stability for this species.

Source: GRC

FIELD BEAN
(*Vicia faba* L.)

Stage of examination	UPOV Character Number *	Character description	
<u>PRIMARY</u>			
Vegetative	2	plant: height	
	3	plant: number of stems including tillers more than half the length of the main stem	
At flowering	13	time of flowering: (50% of plants with one flower)	
	15	flower: wing melanin spot	
	17	flower: standard anthocyanin colour	
At mature pod	32	pod: time of full pod development	
	-	plant: determinate habit	
<u>SECONDARY</u>			
Vegetative	4	stem: number of nodes to first flower (including scale leaves)	
	5	stem: anthocyanin colour	
	6	stem: intensity of anthocyanin colour	
	7	foliage: colour	
	8	foliage: intensity of green colour	
	9	leaflet: length of basal pair of leaves	
	10	leaflet: width of basal pair of leaves	
	11	leaflet: folding along main vein of leaflet	
	At flowering	12	raceme: number of flowers at 2nd or 3rd node
		14	flower: length

continued/

FIELD BEAN
(continued)
(*Vicia faba* L.)

Stage of examination	UPOV Character Number *	Character description
	16	flower: standard melanin spot
	18	flower: standard extent of anthocyanin colour
At green pod	9	truss: number of pods
	20	pod: attitude
	21	pod: length
	22	pod: median width
	23	pod: degree of curvature
	24	pod: intensity of colour
	25	pod: number of ovules including seeds
	26	pod: thickness of pod wall
At maturity	27	seed: shape of median longitudinal section
	28	seed: shape of cross section
	29	seed: 1000 seed weight
	30	seed: colour of testa (immediately after harvest)
	31	seed: hilum colour
	1	seed: tannin

* Reference :UPOV Guidelines for the Conduct of Tests for Distinctness, Homogeneity and Stability.
Doc No. TG/8/4 Corr (13.11.1985)

HUNGARIAN VETCH
(*Vicia pannonica* Crantz)

Stage of examination	UPOV character number #	Character description
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PRIMARY AND SECONDARY

At full flowering	-	plant: height of main stem
	-	stem: hairiness
	-	leaflet: length
	-	leaflet: width
	-	leaflet: shape
	-	leaflet: tip shape
	-	leaflet: hairiness
	-	flower: colour

There are no UPOV Guidelines for the Conduct of Tests for Distinctness, Homogeneity and Stability for this species.

Source: HUN

COMMON VETCH, TARE
(*Vicia sativa* L.)

Stage of examination	UPOV character number *	Character description
<u>PRIMARY</u>		
At time of flowering	6	stem: hairiness of upper internodes
	8	leaf: shape of tip of leaflet (on middle third of plant)
	11	flower: colour of standard petal
	5	flower: time of beginning of flowering (30% of plants)
After flowering	12	pod: hairiness
<u>SECONDARY</u>		
Seedling	1	seedling: ratio of length/width of leaflet of second primary leaf
At vegetative stage	7	stem: anthocyanin colour on leaf axil
	10	stipule: anthocyanin colour of nectaries
After flowering	12	pod: hairiness
At maturity	17	seed: size
	18	seed: shape
	19	seed: ground colour of testa
	20	seed: brown ornamentation
	21	seed: extension of brown ornamentation
	22	seed: blue black ornamentation
	23	seed: extension of blue black ornamentation
	24	seed: colour of cotyledons

* Reference :UPOV Guidelines for the Conduct of Tests for Distinctness, Homogeneity and Stability.
Doc No. TG/32/6 (21.10.1988)

HAIRY VETCH
(*Vicia villosa* Roth)

Stage of examination	UPOV character number #	Character description
<u>PRIMARY AND SECONDARY</u>		
Seedling 3-4 weeks after emergence	-	stipule: shape
	-	stipule: colour markings
At beginning of flowering	-	plant: height of main stem
	-	time of beginning of flowering (10% of plants with one flower)
	-	leaflet: tip shape
	-	leaflet: pubescence
	-	leaflet: shape
	-	leaflet: length
At flowering	-	leaflet: width
	-	flower: colour of standard
	-	flower: colour of inner keel
	-	flower: number per inflorescence
At beginning of ripening	-	peduncle: length compared to leaf
	-	pod: shape
	-	pod: pubescence
	-	pod: number of seeds per pod
	-	pod: tip shape
Seed	-	pod: constrictions between seeds
	-	seed: shape
	-	seed: colour
	-	seed: size
	-	seed: colour of hilum
	-	seed: colour of cotyledons

There are no UPOV Guidelines for the Conduct of Tests for Distinctness, Homogeneity and Stability for this species.

Sources: HUN, POR, AUS

Also includes Woolly-pod Vetch.

COW PEA
(*Vigna unguiculata* (L.) Walp.)

Stage of examination	UPOV Character Number #	Character description
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PRIMARY AND SECONDARY

Vegetative	-	plant: anthocyanin colouration of hypocotyl
	-	growth habit
	-	leaf: colour in axil of petiole
At flowering	-	time of flowering
	-	flower: colour
	-	flower: size of bracts
At maturity	-	pod: length
	-	pod: cross section
	-	pod: surface
	-	pod: stringiness
	-	pod: parchment
	-	pod: constrictions
	-	pod: colour
	-	pod: colour of markings
	-	pod: length of style
	-	pod: shape of style
	-	pod: number of ovules
Seed	-	seed: size
	-	seed: shape (longitudinal)
	-	seed: shape (cross-section)
	-	seed: colour
	-	seed: colour of hilar ring
	-	seed: colour of corona
	-	seed: vein

There are no UPOV Guidelines for the Conduct of Tests for Distinctness, Homogeneity and Stability for this species.

Source: GRC