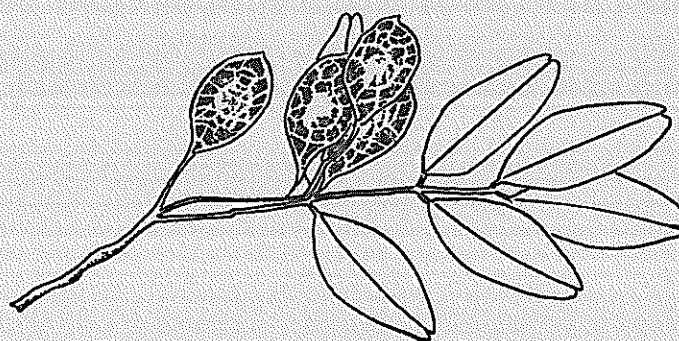


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INTER-AMERICAN TROPICAL TUNA COMMISSION

SOURCE LIST OF SEEDS OF LEGUMINOSAE  
PREPARED FOR IMMUNOGENETICISTS  
WORKING WITH PHYTO-HEMAGGLUTININS

W. L. KLAWE AND SUZANNE HESTER



LA JOLLA

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In the course of the Inter-American Tropical Tuna Commission's research on the blood group antigens of the tropical tunas we have been employing hemagglutinins from seeds of various species of Leguminosae.

It is estimated that there are 12 to 14 thousand species in this family. It has been difficult or often impossible to obtain seeds of the taxa other than those grown for agricultural and ornamental purposes. Our experience with the difficulties in securing seeds of many of the Leguminosae led us to prepare this source list.

The scientific names used in our list are, in most instances, those given by the various suppliers. We are aware that multiple listings of some species under one or more synonyms are not to be excluded. Some of the names also may not conform with the current taxonomic procedures.

Regrettably it was impossible to incorporate the information contained in the extensive files of the suppliers of seeds of various plants maintained at the L. H. Bailey Hortorium (New York State College of Agriculture, Cornell University, Ithaca, New York).

Some additional sources of ornamental legumes can be found in Plant Buyer's Guide (Matton H. Gleason, Editor. Plant Buyer's guide of seeds and plant materials in the trade. Massachusetts Horticultural Society, Boston, Mass. 6th edition, 1958).

I wish to express my thanks to several scores of individuals and institutions which, through their cooperation, made it possible for us to compile this list. First of all, however, I wish to show my deep appreciation by extending special thanks to Prof. Charles W. Cotterman with whom I had the fine opportunity of working and who introduced me to the fascinating field of phyto-hemagglutinins.

W. L. K.

La Jolla, California  
September 1962

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<i>Bolustantnus speciosus</i> C-2, D-11, I-1, K-3, N-1, S-1	<i>C. mexicana</i> D-4, M-1, S-1
<i>Bossiaea floriosa</i> S-1	<i>C. peltophoroides</i> S-1
<i>B. foliosa</i> C-3	<i>C. pulcherrima</i> D-2, D-8, H-1, I-8, S-1, T-1
<i>B. ornata</i> C-3	<i>C. sepiaria</i> H-1, I-8
<i>B. pulchella</i> C-3	<i>C. spinosa</i> S-1
<i>Brachysema bracteosum</i> S-1	<i>Cajanus cajan</i> C-3, G-2, I-2, S-1, S-5, V-1
<i>B. praemorsum</i> C-3	<i>C. indicus</i> V-1
<i>Burtonia scabra</i> A-3, K-3	<i>Calliandra quildingui</i> S-1
<i>B. villosa</i> A-3	<i>C. surinamensis</i> S-1
<i>Butea capitata</i> C-2, S-3	<i>C. tweedii</i> S-1
<i>B. frondosa</i> B-3, C-2, C-4, D-13, K-2, L-1	<i>Calpurnia aurea</i> S-1
<i>Caesalpinia brasilensis</i> H-1	<i>C. lasiogyne</i> N-1
<i>C. caniaria</i> U-4	<i>C. sylvatica</i> N-1
<i>C. coriaria</i> H-1, I-8, S-1	<i>C. villosa</i> N-1
<i>C. cristata</i> I-8	<i>Canavalia ensiformis</i> C-3, G-2, H-1, S-5
<i>C. exotica</i> C-2	<i>C. ensiformis gladiata</i> D-5, I-2
<i>C. ferrea</i> D-8	<i>C. gladiata</i> K-1
<i>C. gilliesii</i> J-6, S-1, T-1	<i>C. obtusifolia</i> I-8, H-1
	<i>Caragena arborescens</i> H-3, S-1, S-3, T-1, V-1

*Carmichaelia australis*  
 S-1, T-1

*C. compacta*  
 S-1

*Cassia abbreviata*  
 I-1

*C. alata*  
 C-2, D-2, D-7, S-1, S-3

*C. artemisioides*  
 C-1, C-3, H-3, S-1, S-3

*C. australis*  
 S-1, T-1

*C. bicapsularis*  
 D-2, S-1, S-3

*C. biflora*  
 D-2

*C. brewsteri*  
 A-3, C-3

*C. circinata*  
 A-3

*C. candolleana*  
 K-3, S-1

*C. corymbosa*  
 C-2, S-1

*C. costata*  
 A-3

*C. desolata*  
 C-3

*C. desolata involuocrata*  
 D-7

*C. didymobotrya*  
 B-4, I-1, K-3, S-1

*C. emarginata*  
 H-1

*C. eremophilla*  
 A-1, S-1

*C. eremophilla platypoda*  
 A-3, B-7

*C. fistula*  
 D-8, D-11, D-13, H-1, K-2, K-3, L-1, S-1, S-6

*C. fistula javanica*  
 D-8

*C. floribunda*  
 S-3, V-1

*C. floribunda grandiflora*  
 V-1

*C. florida*  
 S-1

*C. fruticosa*  
 S-1

*C. glomerata*  
 S-1

*C. glomerata zygophylla*  
 S-1

*C. grandis*  
 D-7, D-8, K-3, S-1, T-1

*C. javanica*  
 D-7, D-8, S-1

*C. laevigata*  
 S-1

*C. marginata*  
 S-1

*C. marylandica*  
 A-4, J-6, S-1, T-1

*C. multijuga*  
 D-7, S-1

*C. nicaraguensis*  
 S-1

*C. nodosa*  
 D-2, K-3, S-1

*C. nomame*  
 K-1

*C. moschnata*  
 S-1

*C. obtusifolia*  
 K-1



*Cassia occidentalis*  
 D-2, H-1, S-1

*C. pleurocarpa*  
 A-3, C-3

*C. plurijuga*  
 S-1

*C. renigera*  
 C-4, S-1

*C. roemeriana*  
 S-1

*C. siamea*  
 S-1

*C. singueana*  
 I-1

*C. sophora*  
 C-3

*C. speciosa*  
 D-7

*C. spectabilis*  
 C-4

*C. stuartii*  
 S-1

*C. sturtii*  
 A-3

*C. tomentosa*  
 C-1, H-3, S-1, S-3

*C. tora*  
 D-2, I-9, S-1

*C. torosa*  
 K-1

*Castanosperum australe*  
 A-3, B-3, B-12, C-2, J-3, K-3, S-1

*Centrosema virginianum*  
 I-8

*Ceratonia siliqua*  
 C-1, C-6, H-3, K-3, S-1, S-3

*Cercidium floridum*  
 R-4

*Cercis canadensis*  
 C-2, H-3, R-4, S-1, S-3, U-5, V-1

*C. chinensis*  
 C-2, H-3, R-4, S-1, S-3

*C. occidentalis*  
 C-1, C-2, H-3, R-4, S-1, S-3

*C. racemosa*  
 R-4

*C. reniformis*  
 R-4, S-1

*C. siliquastrum*  
 C-2, D-11, H-3, K-3, R-4, S-1, S-3, T-1, V-1

*C. siliquastrum alba*  
 C-2, H-3, R-4, S-1, S-3

*C. siliquastrum flore albo*  
 V-1

*Cercis siliquastrum flore pleno*  
 R-4

*Chamaecrista fasciculata*  
 C-3

*Chamaecytisus proliferus*  
 C-3

*Chorizema cordatum*  
 K-3, S-1, V-1

*C. dickinsoni*  
 A-3, C-3

*C. diversifolia*  
 A-3

*C. illicifolium*  
 C-3

*Cicer arietinum*  
 C-3

*Cladrastis amurensis*  
 S-1

*C. lutea*  
 A-4, H-3, S-1, S-3

*C. platycarpa*  
 S-1, S-3

<i>Cladrastis tinctoria</i> T-1	<i>C. atrophylla</i> I-1
<i>Clanthus dampieri</i> S-1, T-1	<i>C. capensis</i> N-1, S-1
<i>C. puniceus</i> C-2, S-1, T-1	<i>C. gremwayii</i> G-2
<i>C. puniceus albus</i> C-2, S-1, T-1	<i>C. gweloensis</i> I-1
<i>C. puniceus roseus</i> C-2, T-1	<i>C. intermedia</i> D-5
<i>C. speciosus</i> K-3	<i>Crotalaria maxillaris</i> D-3
<i>Clitoria ternatea</i> C-3, S-1, T-1	<i>C. mucronata</i> C-3, D-2, D-4, D-12, N-5
<i>Colutea arborescens</i> S-1, S-3, T-1, V-1	<i>C. ochroleuca</i> D-5
<i>Colvillae racemosa</i> C-2, D-8, S-1	<i>C. polysperma</i> G-2
<i>Coronilla emerus</i> J-6, S-1, S-3, T-1	<i>C. recta</i> G-2
<i>C. coronata</i> C-3	<i>C. retusa</i> D-2
<i>C. glauca</i> C-3, T-1	<i>C. rhodesiae</i> C-3, I-1, S-1
<i>C. rostrata</i> C-3	<i>C. semperflorens</i> K-3
<i>C. scorpioides</i> C-3	<i>C. senegalensis</i> C-3
<i>C. vaginalis</i> J-6	<i>C. servica</i> I-1
<i>C. varia</i> S-1, T-1	<i>C. spectabilis</i> D-5, N-4, S-1, S-5
<i>Crotalaria agatifolia</i> C-2	<i>C. striata</i> B-3, D-3, I-8, N-5, R-3, S-5
<i>C. africana</i> C-2	<i>C. usaramoensis</i> S-1
<i>C. anagyroides</i> S-1	<i>C. verrucosa</i> I-2, I-8, N-5

*Cyamopsis proraloides*  
C-3

*C. tetragonoloba*  
S-7

*Cytisus albus*  
T-1, V-1

*C. alpinus*  
S-1, V-1

*C. andreanus*  
T-1

*C. battandieri*  
T-1, V-1

*C. canariensis*  
S-1

*C. capitatus*  
J-6

*C. decumbens*  
S-1

*C. glabrescens*  
T-1

*C. grandiflorus*  
U-6

*C. hirsutus*  
T-1

*C. laburnum*  
K-3, S-1, V-1

*C. monospeulanus*  
R-4, R-7, T-1

*C. multiflorus*  
P-1, S-3

*C. nigricans*  
S-3, T-1

*C. prolifera*  
B-3, F-1, R-7

*C. purpureus*  
P-1, S-1, S-3, T-1

*C. scoparius*  
H-3, R-4, S-1, S-3, T-1, V-1

*C. sessilifolius*  
S-3, T-1, U-6

*S. supinus*  
P-1, S-3, T-1

*Dalbergia latifolia*  
S-1

*D. sissoo*  
H-3, S-1, S-3

*Dalea aurea*  
B-2

*D. enneandra*  
B-2

*D. spinosa*  
R-4

*Daubentonia punicea*

*D. tripetii*  
C-1

*Daviesia corymbosa*  
S-1

*Daviesia divaricata*  
C-3

*Delonix regia*  
C-1, C-4, D-2, D-8, H-1, H-3, I-8, K-3,  
S-1, S-3, T-1

*Desmanthes virgatus*  
C-3

*Desmodium canum*  
C-3

*D. distortum*  
C-3

*D. gyrans*  
T-1

*D. lanceolatum*  
C-3

*D. motorium*  
S-1

Desmodium sandwicense C-3	D. lignosus lablab T-1
D. umbellatum C-3	
D. uncinatum C-3	Enterolobium cyclocarpum D-8, I-8, S-3
Dillwynia cinerascens S-1	E. timbouva S-1, V-1
D. glaberrima S-1	Erythrina arborescens B-3, C-2, D-7, S-1, U-4
D. juniperina A-3	E. berteriana D-14
Dioclea altissima D-8	E. caffra C-2, I-1
D. lasiocarpa S-5, S-6	E. coralloidendron S-1, S-3
D. megacarpa D-14	E. crista-galli C-1, C-2, D-8, K-3, S-1, S-3, T-1, V-1
D. reflexa J-3	E. falcata D-7
Dolichos axillaris C-3	E. glauca D-2
D. baumanii C-3	E. herbacea D-7
D. biflorus B-3, C-3, O-2, T-1	E. humana I-1, S-1, T-1
D. buehananii I-1	E. indica B-3, C-2, D-7, I-8, M-1, S-1, V-1
D. gibbosus N-1	E. indica alba C-2, S-1
D. lablab B-3, C-3, D-5, H-1, I-2, I-8, S-1, S-5, S-9	E. lithosperma B-3, C-2
D. lablab sudanensis S-1	E. lysistemon D-7, D-11
D. lablab ebormis S-1	E. tomentosa I-1, M-3, S-1
D. lignosus S-1	E. variegata D-8

Erythrina variegata orientalis D-8	G. radiata T-1
E. vespertillo A-3, C-2, C-3	G. sagittalis S-1, T-1
Flemingia strobilifera I-8	G. tinctoria S-1, S-3, T-1, V-1
Galactea tinctoria V-1	G. virgata T-1
Galega alba T-1	Gleditsia caspica S-1, T-1
G. officinalis T-1	G. horrida K-1
G. officinalis alba T-1	G. inermis triacanthos C-1
Genista aethnensis H-3, K-3, S-1, S-3, T-1	G. japonica C-2, H-3, S-1, S-3
G. canariensis C-1, S-1, V-1	G. sinensis S-1, S-3
G. fragrans S-1	G. triacanthos H-3, K-3, S-1, S-3, V-1
G. germanica H-3, S-3	G. triacanthos inermis H-3, S-1, S-3
G. hispanica S-1, T-1	Glirricidia maculata C-4
G. horrida S-1, T-1	G. sepium S-1
G. juncea S-1	Glycine clandestina C-3
G. monosperma S-1, S-3, V-1	G. gracilis N-3, R-2
G. occidentalis S-1	G. javanica C-3, D-5, D-12, G-2, I-2, S-5
G. pilosa T-1	G. max B-14, C-3
G. purgans J-6	Glycyrrhiza glabra S-1, T-1
	Gompholobium marginatum C-3

Gompholobium tomentosum C-3	I. dosua S-1, S-3
Gymnocladus canadensis V-1	I. echinata C-3
G. dioica S-1, S-3, T-1	I. enneaphylla C-3
Haemotoxylon campechianum H-1	I. frutescens N-1
Hardenbergia comptoniana A-3, C-3, T-1	I. gerardiana T-1
H. monophylla K-3, S-1	I. pseudo-tinctoria I-9
H. rubicunda S-1	I. spicata C-3
H. villacaea S-1	I. subulata C-3
H. violacea C-3, T-1	I. suffruticosa C-3, D-2
Hedysarum coronarium C-3, S-1, T-1	I. sumatrana C-3
Hosackia subpinnata C-3	Inga dulcis C-2, S-1, V-1
Hovea elliptica C-3	Inga pulcherrima K-3, S-1
H. longifolia A-3	I. saman S-1
H. sp. C-3	I. vera H-1
Hymenaea courbaril D-9, I-8	Jacksonia scoparia A-3
Hymenocarpus circinatus C-3	Kennedya becxiana C-3
Indigofera australia A-3, C-3	K. carinata C-3
I. cylindrica N-1	K. occinea A-3, C-3, K-3

*Kennedyia comptoniana*  
 S-1, V-1

*K. eximia*  
 C-3

*K. macrophylla*  
 C-3

*K. nigricans*  
 A-3, C-3, T-1

*K. procumbens*  
 A-3

*K. procurrens*  
 A-3

*K. prorepens*  
 C-3

*K. K. prostrata*  
 A-3, C-3, S-1

*K. rubicunda*  
 A-3, C-3, K-3, S-1

*K. stirlingi*  
 A-3, C-3

*Laburnum alpinum*  
 H-3, J-6, S-1, S-3, T-1, V-1

*L. anagyroides*  
 B-5, H-3, S-1, S-3, T-1

*L. vulgare*  
 A-4, V-1

*L. watereri*  
 S-3

*Lathyrus alpestris*  
 M-2, R-6

*L. angulatus*  
 C-3, S-7, S-8

*L. annuus*  
 H-9, S-7

*L. aphaca*  
 B-3, C-3, H-7, H-11, J-2, S-7, S-8

*L. articulatus*  
 H-9, H-11, S-7

*L. aurantiacus*  
 B-13

*L. aureus*  
 H-7, S-4

*L. axillaris*  
 H-10

*L. cicera*  
 C-3, E-1, F-1, G-2, H-9, H-11, I-5, M-3, R-1, S-7

*L. cirrhosus*  
 S-4, T-1

*L. clymenum*  
 C-3, F-1, H-9, H-11, I-5, J-2, S-7

*L. clymenum purpureus*  
 E-1

*L. cyaneus*  
 M-2, S-1

*L. davidi*  
 B-11

*L. digitatus*  
 P-2

*L. ensifolius*  
 J-7

*L. gmelini*  
 B-9, B-11

*L. gorgoni*  
 H-5, H-6

*L. grandiflorus*  
 H-6, J-2, J-7

*L. heterophyllus*  
 J-4, J-6, T-1

*L. hirsutus*  
 C-3, F-1, H-9, I-5, R-6

*L. incanus*  
 B-2

*L. inconspicuus*  
 R-1

*L. incurvus*  
 H-11, U-3

Lathyrus japonicus D-10, K-1, U-5	L. ornatus incanus B-2
L. laevigatus H-11, J-6	L. palustris R-6
L. laevigatus occidentalis H-11	L. pannonicus A-4
L. latifolius H-3, S-1, S-3, S-7, T-1	L. pisiformis H-5, H-6, H-7, H-8, H-11, J-2, U-3
L. latifolius albus T-1	L. platyphyllus H-6
L. littoralis U-6	L. pratensis I-6, J-4, R-6
L. luteus H-1	L. pubescens H-12
L. magellanicus H-6, J-4	L. purpureus A-4
L. maritimus I-6, O-1, U-6	L. quadrimarginatus H-9
L. montanus H-1, J-4, R-6	L. roseus R-6, S-4
L. multiflorus O-1	L. rotundifolius R-5, R-6, T-1
L. nervosus R-5	L. sativus B-3, C-3, E-1, F-1, H-7, H-11, I-2, I-5, M-2, R-1, S-5
L. neurolobis J-1	L. seufolius J-4
L. niger H-7, H-8, H-11, I-3, I-6, J-2, R-6, S-1, T-1	L. sibthorpi A-2
L. nissolia C-3, H-7, H-11, J-2, J-4, R-6	L. silvester H-7, J-2
L. ochroleucus H-6	L. smithii A-2
L. ochrus C-3, E-1, F-1, G-2, H-11, R-6, S-7,	L. sphaericus H-11, R-6, S-8
L. odoratus B-2, S-1, S-7, T-1	L. splendens S-3
L. ornatus B-2	



*Lathyrus striatus*  
R-4

*L. sylvestris*  
H-7, H-8, I-5, J-2, M-2, O-1, T-1

*L. tangensis*  
S-4

*L. tingitanus*  
C-3, E-1, F-1, H-8, H-11, I-5, J-2, J-4,  
R-5, R-6, U-1

*L. tuberosus*  
C-7, D-10, S-1, U-5  
*L. transsilvanicus* - U-2  
*L. variegatus*  
O-1, S-4

*L. venetus*  
B-9, I-6, S-1, U-2

*L. venosus*  
N-7

*L. vernus*  
H-11, J-4, O-1, S-1

*lens esculenta*  
C-3

*Lespedeza bicolor*  
H-3, S-1, S-3, V-1

*L. buegeri*  
S-1

*L. capitata*  
U-5

*L. cuneata*  
I-9, K-1, S-9

*L. intermedia*  
D-10

*L. sericea*  
D-5, H-3

*L. stipulacea*  
D-5, F-1, N-5, S-9, S-10

*L. striata*  
D-3, S-1

*L. thunbergi*  
S-3

*Leucaena glauca*  
C-3, H-1, S-1, T-1, V-1

*L. pulverulenta*  
S-1

*L. retuca*  
S-1

*Listia heterophylla*  
C-3

*Lotonis angolensis*  
C-3

*L. bainesii*  
C-3

*Lotus americanus*  
C-3

*L. caucasicus*  
C-3

*L. cinimbricensis*  
C-3

*L. conjugatus*  
C-3

*L. corniculatus*  
C-3, D-6

*L. cytisoides*  
C-3

*L. edulis*  
C-3

*L. hispidus*  
C-3

*L. mearnsii*  
C-3

*L. maroccanus*  
C-3

*L. pedunculatus*  
C-3

*L. pusillus*  
C-3

*L. tenuis*  
C-3, D-6

Lotus tetragonolobus S-1	L. excubitus halli R-4
L. uliginosus C-3, D-6	L. formosus R-4
L. willeri C-3	L. hartwegii H-3, R-4, S-1, T-1
Lupinus albifrons R-4	L. hirsutissimus R-4
L. albifrons douglasi R-4	L. hirsutus R-4, S-1
L. albus B-5, C-3, I-2, R-4, S-5	L. latifolius R-4
L. angustifolius C-3, R-4	L. littoralis R-4, T-1
L. arboreus R-4, S-1, S-2, T-1	L. longifolius R-4
L. aridus C-3, R-4	L. luteus C-3, R-4
L. bicolor C-3, R-4	L. luteus romulus T-1
L. bicolor tridentatus R-4	L. lyalli R-4, S-1
L. chamissonis R-4	L. micranthus R-4
L. concinnus R-4	L. mutabilis C-3, R-4, S-1
L. densiflorus R-4	L. nanus R-4
L. densiflorus glabreosus R-4	L. nanus albus R-4
L. densiflorus lacteus R-4	L. nanus apricus R-4
L. densiflorus menziesi R-4	L. nookatensis R-4, S-1
L. digitatis R-4	L. parus S-1
L. excubitus R-4	L. parus apricus S-1

Lupinus perennis R-4, S-1	Maackia amurensis buergeri U-6
L. polyphyllus R-4, T-1	Maackia chinensis U-6
L. polyphyllus albus T-1	Medicago arabica C-3
L. polyphyllus atroviolaceus H-3	M. arborea C-3, S-1
L. polyphyllus luteus T-1	M. blancheana C-3
L. polyphyllus orion T-1	M. coerulea C-3
L. pubescens R-4, S-1	M. denticulata C-3
L. pubescens luteus S-1	M. echinus T-1
L. rivularis R-4, S-1	M. glutinosa C-3
L. sparsifolius R-4	M. hispida C-3
L. stiversi R-4	M. litoralis C-3
L. subcarnosus R-4, S-1	M. lupulina C-3
L. succulentus R-4, S-2	M. media C-3
L. sulphureus R-4	M. orbicularis C-3, D-5, D-12, G-2
L. sulphureus superbus T-1	M. prostrata C-3
L. texensis R-3, R-4	M. sativa C-3
L. tidestromi R-4	M. scutellata C-3
Lysiloma latisiliqua H-1	M. tianschanica C-3
Maackia amurensis C-2, S-1, S-3, U-6	M. tribuloides

Melalueca squarrosa T-1	O. biebersteinii C-3
M. thymifolia T-1	O. peduncularis C-3
Melilotus albus C-3	O. sativa C-3
M. officinalis C-3	O. saxatilis C-3
M. volgicus C-3	O. schugnanica C-3
Milletta caffra N-1, S-1	O. tanaitica C-3
M. oblata S-1, T-1	O. transcaucasica C-3
Mimosa invisa V-1	O. viciaefolia C-3, I-7
M. pudica H-1, H-3, I-8, S-1, S-3, T-1, V-1	Ononis cenisia J-6
M. speggozzinii S-1, V-1	O. fruticosa T-1
Mirbelia oxylobioides C-3	O. rotundifolia J-6, S-1
Mucuna pruriens H-1, V-1	O. spinosa S-1
M. sloanei H-1, I-8	Ormosia monosperma S-1
M. urens D-14	Ornithopus compressus C-3
Myroxylon balsamum pereirae D-8	O. isthmocarpus C-3
	O. perpusillus C-3
Notospartium carmichaeliae T-1	O. sativus C-3
Olneya tesota D-9	Orobis vernus T-1
Onobrychis atropana C-3	Oxylobium ellipticum C-3
	O. lanceolatum C-3

Pachyrrhizus erosus H-1	P. semierectus C-3
Parkinsonia aculeata C-1, C-2, C-3, H-3, R-4, S-1, S-3, T-1, V-1	P. sericea D-7
Parochetus communis T-1	P. vulgaris B-3, C-3
Peltophorum africanum C-2, I-1, M-1, S-1	Piptanthus laburnifolius T-1
P. ferrugineum C-4, D-2	Piscidia piscipula I-8
P. inerme M-1, S-1	Pisum arvense C-3
P. pterocarpum C-3	P. sativum C-3, S-5
Phaseolus aconitifolius C-3	Pithecellobium arboreum I-8
P. acutifolius C-3, S-7	P. dulce S-1
P. atropurpureus C-3	P. saman C-4, S-1
P. aureus B-3, C-3, D-1	P. unguis-cati I-8
P. bracteatus C-3	Podalyria calyptata D-11, K-3, N-1
P. caracalla D-7, K-3, S-1, T-1	P. frutescens N-1
P. coccineus D-5, S-9	P. grandiflora K-3
P. geophilus C-3	P. sericea K-3, N-1, S-1
P. latyroides C-3, D-2	Poinciana gilliesii H-3, K-3, S-1, S-3, T-1, V-1
P. lunatus B-3	P. pulcherrima S-1
P. mungo C-3, S-1, V-1	P. pulcherrima flava S-1
P. radiatus D-2	Pongamia pinnata S-1

*Prosopis chilensis*  
D-8

*P. glandulosa*  
S-1

*P. juliflora*  
H-1, I-8

*P. lannesiana*  
S-1

*Psoralea adscendens*  
A-3

*P. bituminosa*  
C-3

*P. candicans*  
C-3

*Pterocarpus angolensis*  
I-1

*P. indicus*  
D-8

*P. rotundifolius*  
I-1

*P. sericeus*  
I-1

*P. exosum*  
T-1

*Pueraria lobata*  
C-7, T-1

*P. phaseoloides*  
C-3, D-12, H-3, S-5

*P. thunbergiana*  
C-2, H-3, S-9, V-1

*Rhyncosia phaseoloides*  
H-1, U-6

*R. volubilis*  
I-9

*Robinia decaisneana*  
T-1

*Robinia hispida*  
C-2, S-3, T-1

*R. hispida fertilis*  
S-3

*R. pseudo-acacia*  
C-1, C-2, H-3, S-1, S-3, T-1, V-1

*R. pseudo-acacia benssoniana*  
S-1

*R. pseudo-acacia inermis*  
S-1

*R. pseudo-acacia rosea*  
C-2

*R. pseudo-acacia spectabilis*  
S-1

*R. viscosa*  
S-1, T-1, V-1

*Sabinea carinalis*  
D-2

*Samanea caerulea*  
S-1

*S. saman*  
C-2, C-3, D-2, D-8, I-3, S-1

*Saraca indica*  
C-2, S-1

*Schizolobium excelsum*  
V-1

*S. parahybum*  
S-1, S-3, S-6

*Schotia brachypetala*  
I-1, N-1, T-1

*Schrankia uncinata*  
S-1

*Scorpiurus muricata*  
C-3

*S. subvillosus*  
C-3

Scorpurius subvillosus C-3	S. secundiflora H-3, S-1, S-3, V-1
S. sulcata C-3	S. tetraptera B-7, C-1, K-3, R-7, S-1, T-1
S. vermiculata C-3	S. tetraptera grandiflora T-1
Securigera securidaca C-3	S. tomentosa C-3
Sesbania aculeata I-2, S-5	S. treadwellii S-1
S. aegyptica B-3, G-1	S. viciifolia J-6, S-1
S. benthamiana C-3	Spartium junceum C-6, H-3, K-3, R-4, S-1, S-3, T-1
S. grandiflora B-3, C-2, D-2, G-1, I-8	S. scoparium S-1
S. marcocappa R-3	Sphaerolobium grandiflorum A-3
S. macrophylla S-1	Stizolobium atterimum I-2, S-5
S. microphylla I-1	S. deeringianum I-2, N-4, S-5
S. sericea C-3, D-2	S. prurifum S-1
S. simpliciuscula C-3	Stylosanthes bojeri C-3
S. trippettii K-3	S. gracillis C-3
Sophora angustifolia K-1	S. sp. C-3
S. japonica C-1, C-6, H-3, R-4, S-1, S-3, T-1, V-1	S. sundaica C-3
S. japonica pendula C-1, H-3	Sutherlandia frutescens N-1, S-1, T-1
S. occidentalis U-4	
S. pendula S-1, T-1	

*Swainsonia canescens*  
 C-3

*S. galegifolia*  
 A-3, S-1, V-1

*S. hybrida*  
 T-1

*Tamarindus indica*  
 C-2, D-2, D-8, I-8, S-1, S-3, V-1

*Templetonia retusa*  
 A-3, C-3

*Tephrosia candida*  
 C-2, C-3, I-2, S-1, S-5, V-1

*T. eriocarpa*  
 C-3

*T. glomeruliflora*  
 C-2, N-1

*T. grandiflora*  
 C-2, N-1, T-1

*T. holstii*  
 G-2

*T. longipes*  
 I-1

*T. noctiflora*  
 C-3

*T. pubescens*  
 S-1

*T. purpureus*  
 I-1

*T. uncinatus*  
 C-3

*T. virginiana*  
 S-1, U-5

*T. vogellii*  
 S-1, S-5, V-1

*Teramnus labialis*  
 G-2

*Teramnus uncinatus*  
 G-2, I-2, I-8, S-5

*Tetragonolobus palaestrinus*  
 C-3

*T. purpureus*  
 B-5, C-3

*T. requienii*  
 C-3

*Tetrapleura tetraptera*  
 U-4

*Thermopsis caroliniana*  
 B-5, H-3, S-1, S-3, T-1

*T. fabacea*  
 C-2

*T. lanceolata*  
 S-1, T-1

*T. rhombifolia*  
 B-2

*Tipuana tipu*  
 C-1, C-2, S-1

*Trifolium alexandrinum*  
 C-3

*T. alpestre*  
 C-3

*T. alpinum*  
 J-6, S-1

*T. ambigum*  
 C-3

*T. angustifolium*  
 C-3

*T. apertum*  
 C-3

*T. armenium*  
 C-3

*T. arvense*  
 C-3

*T. bejariense*  
 C-3



Trifolium canescens C-3	T. obscurum C-3
T. carmeli C-3	T. ochroleucum C-3
T. cernuum C-3	T. pallescens J-6
T. cherleri C-3	T. pallidum C-3
T. clypeatum C-3	T. pannonicum C-3
T. desvauxii C-3	T. patens C-3
T. diffusum C-3	T. petrisavii C-3
T. echinatum C-3	T. pilulare C-3
T. fragiferum C-3	T. pratense C-3
T. globosum C-3	T. procumbens C-3
T. glomeratum C-3	T. repens C-3, J-6, S-1
T. hirtum C-3	T. repens atropurpureum S-1
T. hohenackeri C-3	T. resupinatum C-3
T. hybridum C-3	T. retusum C-3
T. incarnatum C-3	T. rupellianum C-3
T. isodon C-3	T. semipilosum C-3
T. lappaceum C-3	T. spadiceum C-3, J-6
T. maritimum C-3	T. spumosum C-3
T. nigrescens C-3	

Trifolium squarrosum C-3	Ulex europaeus H-3, K-3, S-1, T-1, V-1
T. stellatum C-3	U. europaeus nanus S-3
T. stemophyllum C-3	U. nanus S-1, T-1
T. striatum C-3	
T. subterraneum C-3	Vicia alba E-1, F-1
T. supinum C-3	V. americana M-2, N-6
T. thalii C-3	V. amoena sachalinensis N-2
T. tomentosum C-3	V. amphicarpa C-3, U-2
T. trichocephalum C-3	V. angustifolia A-5, C-3
T. tridendatum C-3	V. angustifolia segatalis I-5, N-3
T. tumens C-3	V. articulata C-3, F-1, H-9, I-5
T. usambarense C-3	V. atropurpurea C-3, D-1, D-5, D-12, F-1, H-5, R-6, S-7
T. xerocephalum C-3	V. aurencia B-8
Trigonella besseriana C-3	V. benghalensis E-1, H-7, H-11, I-5, U-2
T. coerulea S-1	V. biennis U-2
T. corniculata C-3	V. bithynica H-7, H-11, I-5, U-2
T. crestica C-3	V. calcarata D-8, R-6
T. foenum-graecum C-3, S-1	V. cassubica H-5, H-7, I-4, I-5, U-2
T. noeana C-3	V. cirrhosa J-5
T. polycerata C-3	

*Vicia cordata*  
A-1, J-6

*V. cornigera*  
A-1, I-4

*V. cracca*  
A-5, C-3, H-11

*V. cracca v. Gerardii*  
S-1

*V. cracca schmeewehe*  
S-1

*V. dalmatica*  
C-3

*V. dasycarpa*  
C-3, D-1, D-5, E-1, H-11, I-5, P-2, R-6,  
S-7

*V. disperma*  
C-3, R-6, U-2

*V. dumetorum*  
H-11, I-5

*V. equina*  
B-10

*V. eriocarpa*  
I-5, R-6

*V. ervilia*  
C-3, E-1, F-1, G-2, I-5, I-7, J-2, R-6,  
U-2

*V. faba*  
C-3, S-7

*V. fava*  
B-14

*V. fava var. minuta*  
H-11

*V. ferruginea*  
I-4

*V. fulgens*  
R-6, S-8

*V. gerardi*  
S-1

*V. gigantea*  
R-4, U-6

*V. gracilis*  
J-7

*V. graminea*  
T-1

*V. grandiflora*  
A-1, C-3, U-2

*V. hirsuta*  
B-3, C-3, R-6, U-2

*V. hybrida*  
I-5

*V. hyrcanica*  
U-2

*V. lathyroides*  
H-11, R-6, U-3

*V. leganyana*  
B-9, C-3

*V. ludovicana*  
H-6, J-4

*V. lutea*  
C-3, E-1, R-6, S-7

*V. macrocarpa*  
C-3, E-1

*V. megalosperma*  
I-5

*V. meyeri*  
C-3

*V. michauxi*  
H-6

*V. minutiflora*  
C-5

*V. monanthus*  
E-1, H-11, S-7, U-2

*V. musquinez*  
U-2

<i>Vicia nana</i> C-3	<i>V. spontanea</i> F-1
<i>V. narbonensis</i> C-3, E-1, F-1, H-11, I-7, S-7, U-2	<i>V. sylvatica</i> B-9, H-11, U-2
<i>V. nigricans</i> S-5	<i>V. tenuifolia</i> I-6, S-8, U-2
<i>V. odorata</i> B-10	<i>V. tenuissima</i> H-9
<i>V. onobrychoides</i> B-9	<i>V. tetrasperma</i> B-3, H-11, S-8, U-2
<i>V. oroboides</i> R-5	<i>V. unijuga</i> D-3, H-5, J-2, R-6, U-2
<i>V. orobus</i> H-5, R-6, U-2	<i>V. varia</i> C-3, H-6
<i>V. pannonica</i> C-3, F-1, I-5, J-7	<i>V. villosa</i> C-3, D-5, N-7, S-7, S-9
<i>V. pannonica purpurescens</i> I-5	<i>Vigna catjang</i> B-3, S-1
<i>V. peregrina</i> I-5, R-6, U-2	<i>V. esculenta</i> I-1
<i>V. picta</i> I-5	<i>V. gracilis</i> G-2
<i>V. pisiformis</i> I-5, R-6, U-2	<i>V. heterophylla</i> G-2
<i>V. pyrenaica</i> B-6	<i>V. marina</i> C-3
<i>V. sativa</i> B-3, C-3, I-7, S-7, V-1'	<i>V. repens</i> C-3
<i>V. sativa leucosperma</i> I-7, P-2	<i>V. sesquipedalia</i> S-1
<i>V. scandens</i> J-5	<i>V. sinensis</i> B-14, C-3, D-2
<i>V. sepium</i> F-1, H-5, J-2, R-6, U-2	<i>V. unguiculata</i> D-2
<i>V. serratifolia</i> E-1	
<i>V. sparsifolia</i> B-2	

*Vigna vexillata*

C-3, O-2

*Viminaria denudata*

C-3

*Virgilia divaricata*

K-3, N-1, S-1

*V. lutea*

S-1

*V. oroboides*

C-1, D-11, K-3, N-1, S-1

*Wallaceondron celebicum*

D-8

*Wisteria alba*

T-1

*W. brachybotrys*

C-2

*W. brachybotrys alba*

C-2

*W. chinensis*

V-1

*W. floribunda*

C-2, K-1, S-3, U-6

*W. floribunda alba*

H-3, S-1

*W. floribunda longissima*

S-1

*W. floribunda v. macrobotrys*

H-3, S-1

*W. frutescens*

C-2, H-3, S-3, T-1, V-1

*W. multijuga*

V-1

*W. sinensis*

C-1, C-2, H-3, S-3, T-1

*W. sinensis alba*

C-3, H-3, S-1, T-1