

USDA Seed Plates

USDA Seed Plates (JPG files) These 1930's era illustrations are just as useful today.

Use your back key to return to this index.

Hillman, F. H. and Helen H. Henry. 1935. Photographs of Drawings of Seeds; The more important forage-plant seeds and incidental seeds commonly found with them. Division of Seed Investigations, Bureau of Plant Industry, United States Department of Agriculture, Washington D.C.. Revised 1935.

(Scientific names not updated)

[USDA Plate 1](#) Poaceae

[USDA Plate 2](#) Poaceae

[USDA Plate 3](#) Poaceae

[USDA Plate 4](#) Cyperaceae, Juncaceae, Alliaceae, Urticaceae, Polygonaceae

[USDA Plate 5](#) Polygonaceae, Chenopodiaceae, Amaranthaceae, Caryophyllaceae

[USDA Plate 6](#) Caryophyllaceae, Ranunculaceae, Papaveraceae, Brassicaceae

[USDA Plate 7](#) Brassicaceae

[USDA Plate 8](#) Resedaceae, Rosaceae, Fabaceae

[USDA Plate 9](#) Fabaceae

[USDA Plate 10](#) Fabaceae, Oxalidaceae, Linaceae, Geraniaceae, Euphorbiaceae, Malvaceae, Clusiaceae

[USDA Plate 11](#) Violaceae, Lythraceae, Onagraceae, Apiaceae, Primulaceae, Convolvulaceae, Cuscutaceae, Boraginaceae

[USDA Plate 12](#) Boraginaceae, Verbenaceae, Lamiaceae

[USDA Plate 13](#) Lamiaceae, Solanaceae, Scrophulariaceae, Plantaginaceae, Rubiaceae

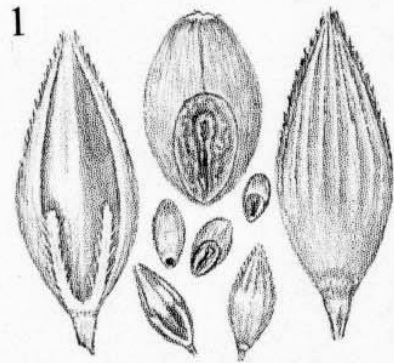


Front Range Seed Analysts

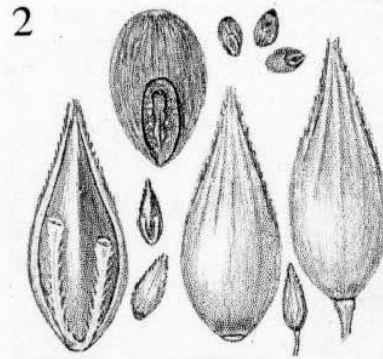
Gold Members for 2004



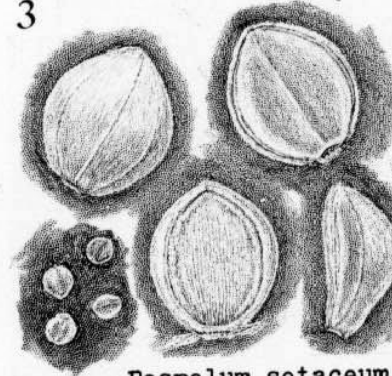
PLATE 1



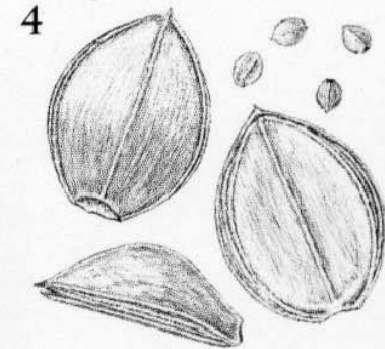
Sorghum vulgare sudanense



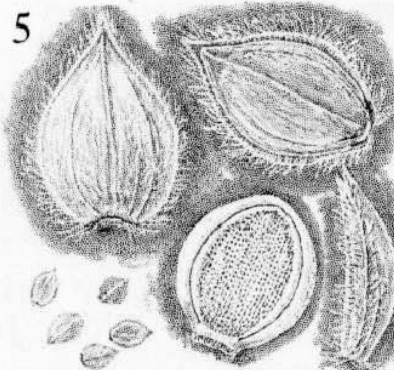
Sorghum halepense



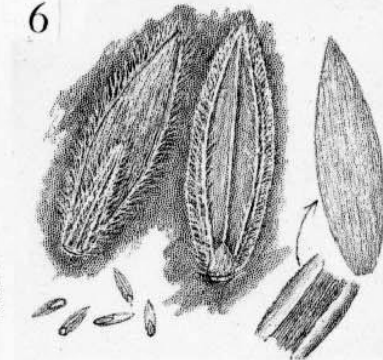
Paspalum setaceum



Paspalum laeve



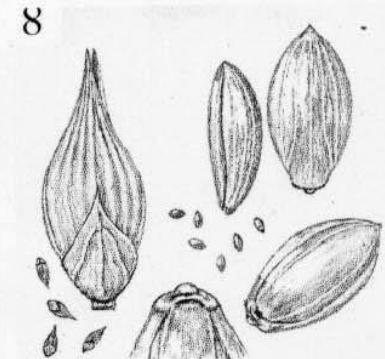
Paspalum dilatatum



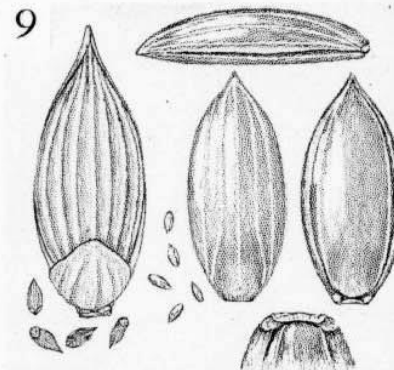
Digitaria sanguinalis



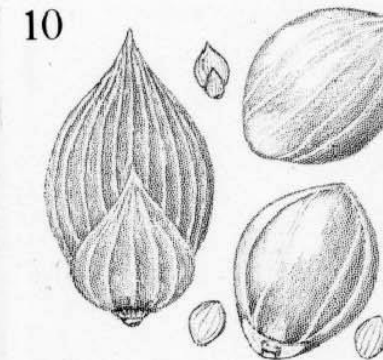
Digitaria ischaemum



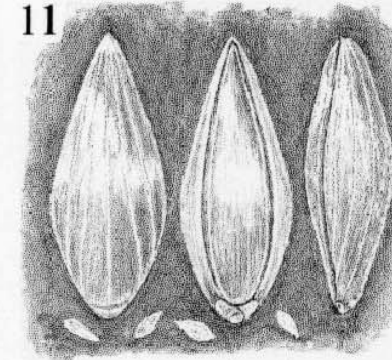
Panicum capillare



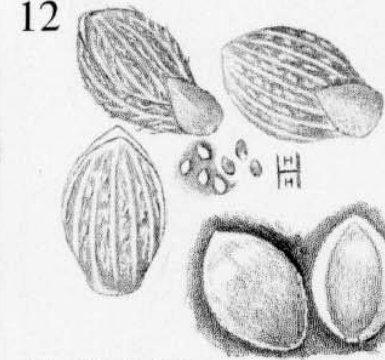
Panicum dichotomiflorum



Panicum miliaceum



Panicum virgatum



Panicum sp.



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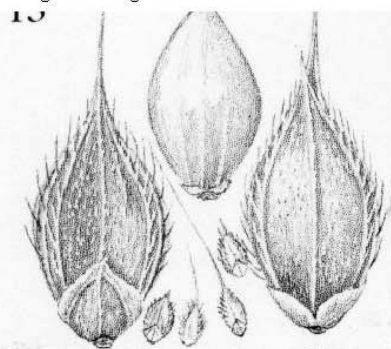
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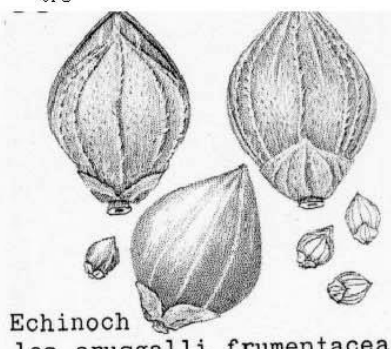
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Echinochloa crusgalli



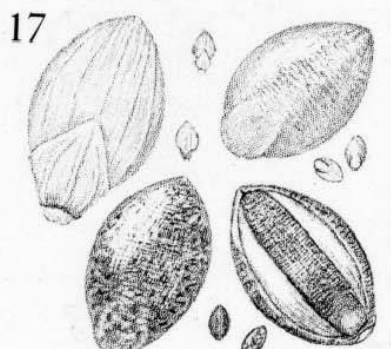
Echinochloa crusgalli frumentacea



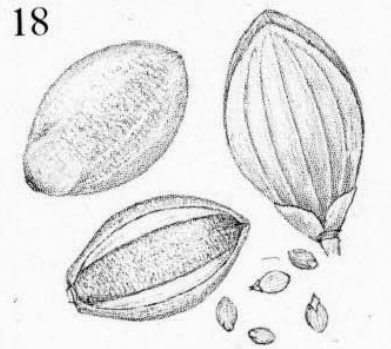
Setaria lutescens



Setaria viridis



Setaria italica



Setaria italica



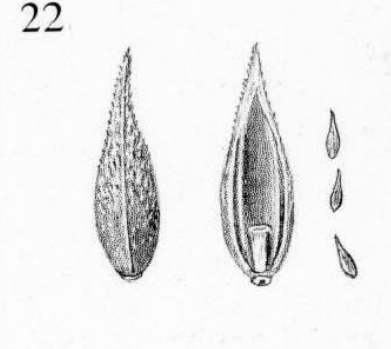
Setaria italica



Cenchrus pauciflorus



Dactylis glomerata



Cynosurus cristatus

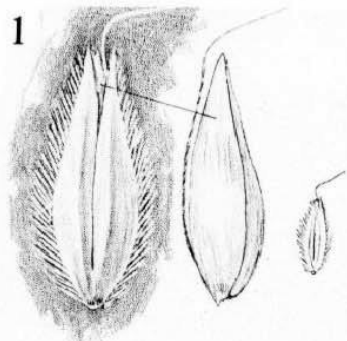


Aristida dichotoma



Phleum pratense

PLATE 2



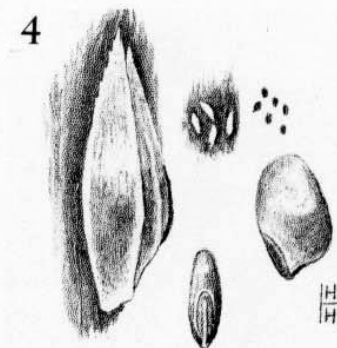
Alopecurus pratensis



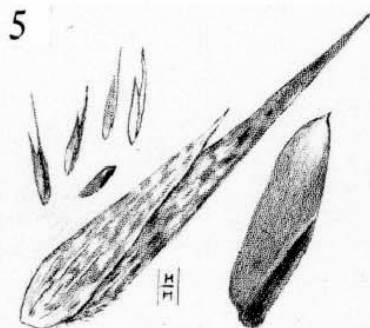
Alopecurus geniculatus



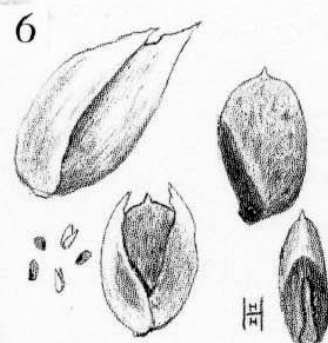
Alopecurus myosuroides



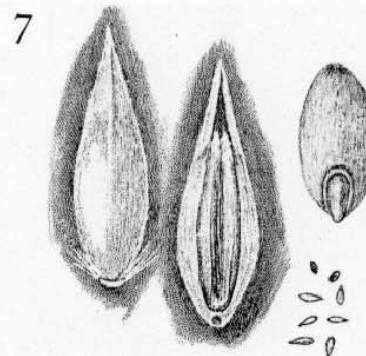
Sporobolus cryptandrus



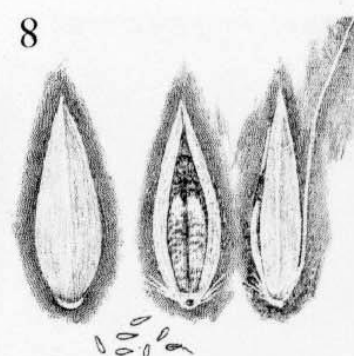
Sporobolus clandestinus



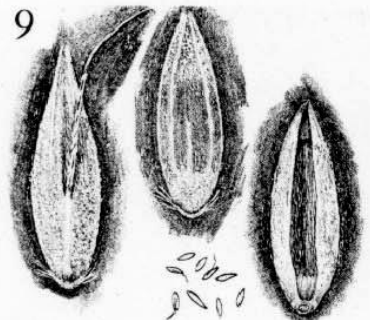
Sporobolus neglectus



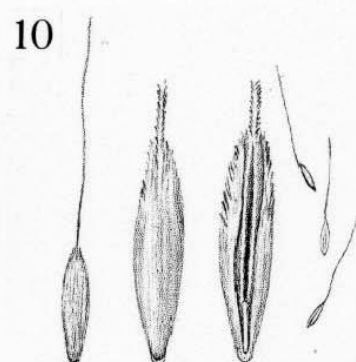
Agrostis alba



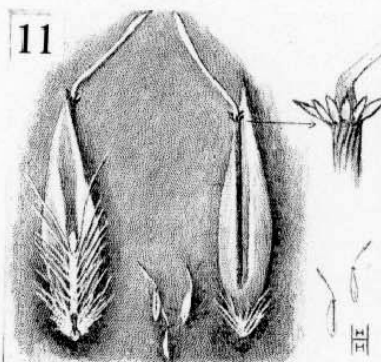
Agrostis tenuis



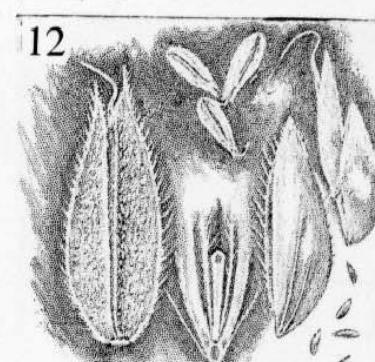
Agrostis canina



Agrostis spica-venti



Corynephorus canescens



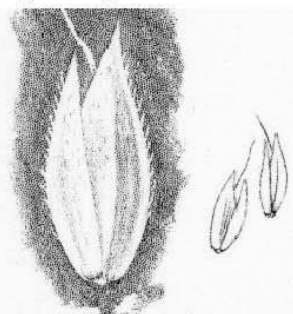
Holcus lanatus

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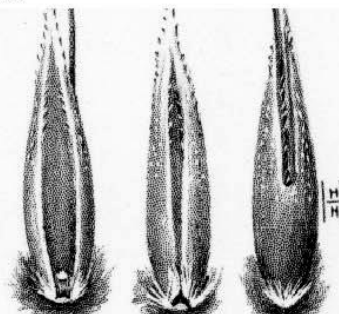
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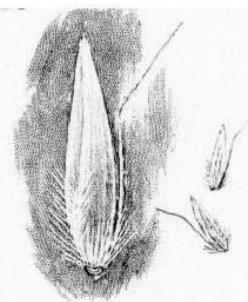
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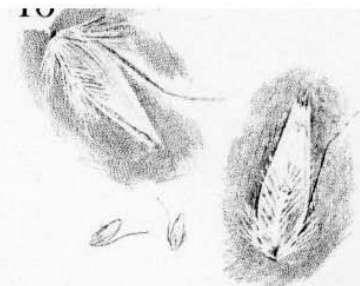
Holcus mollis



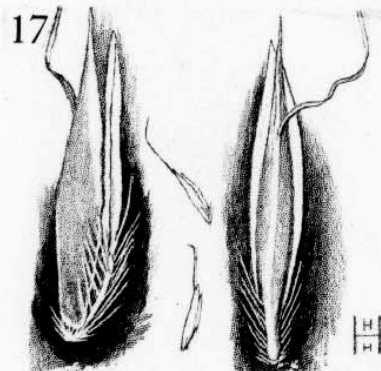
Aira caryophyllea



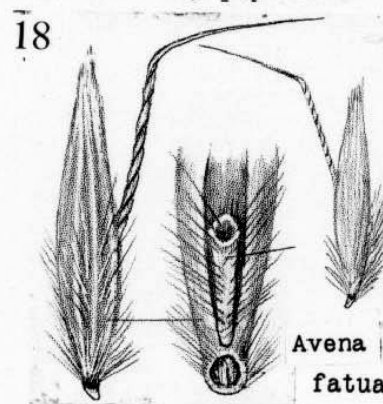
Deschampsia flexuosa



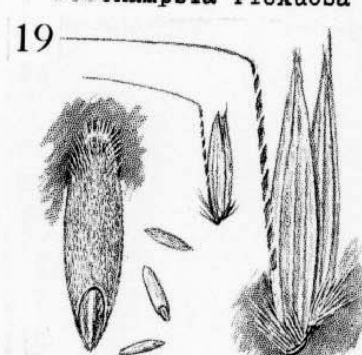
Deschampsia caespitosa



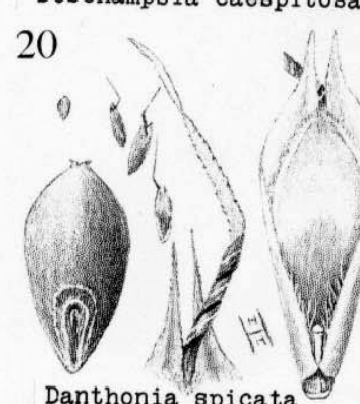
Trisetum flavescens



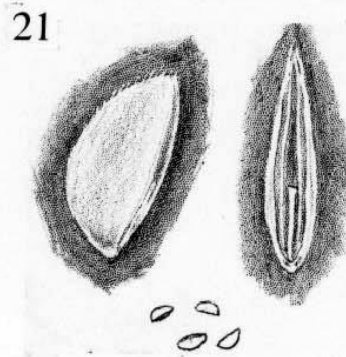
Avena fatua



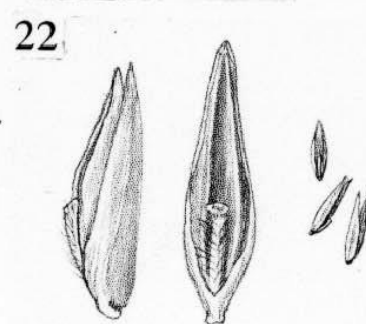
Arrhenatherum elatius



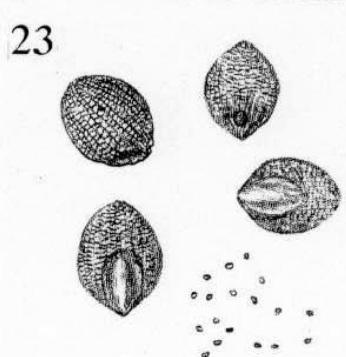
Danthonia spicata



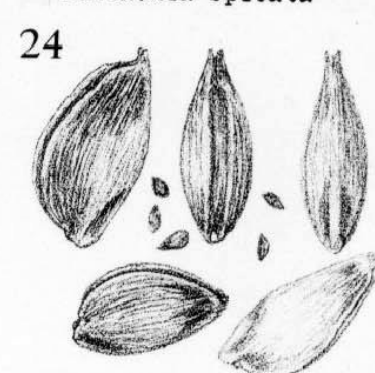
Cynodon dactylon



Molinia coerulea

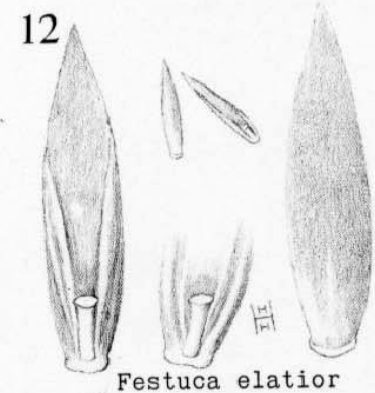
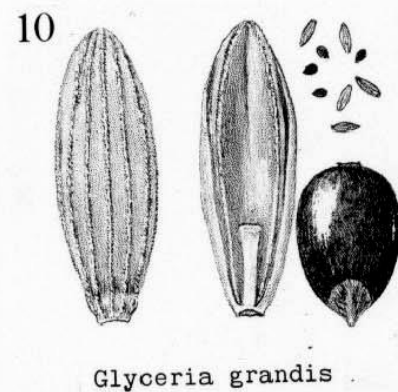
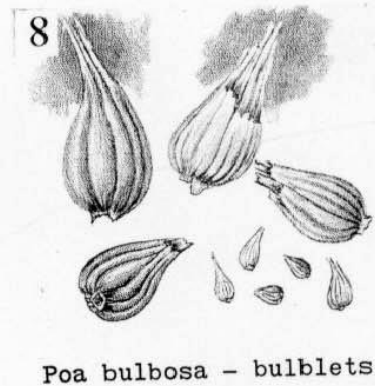
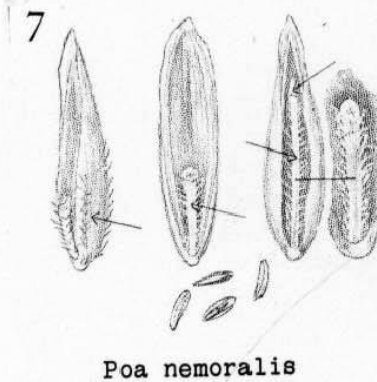
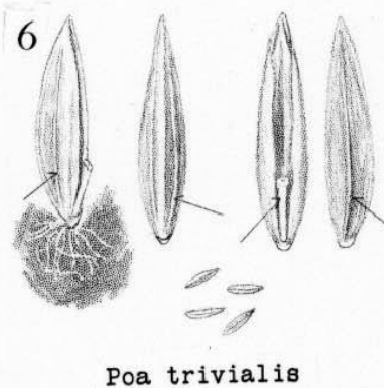
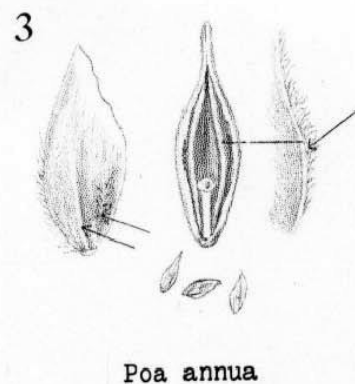
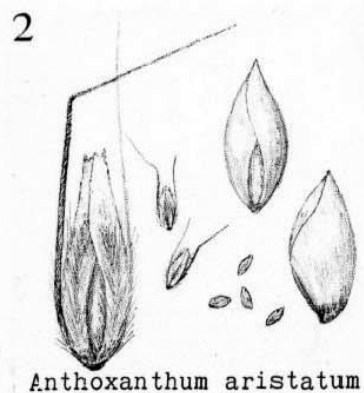
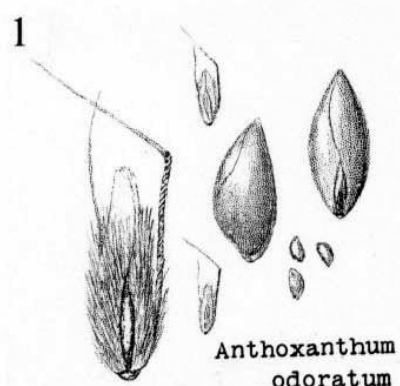


Eragrostis cilianensis

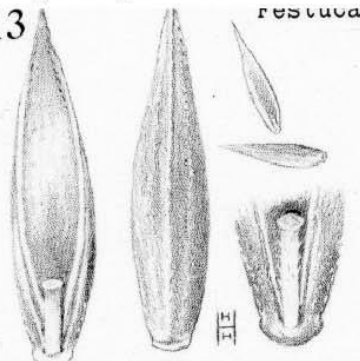


Distichlis stricta

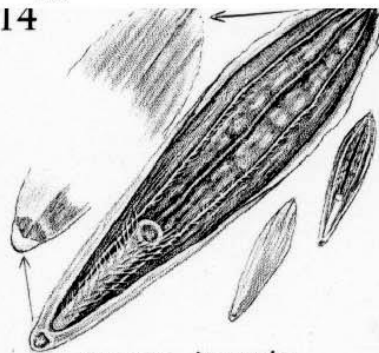
PLATE 3



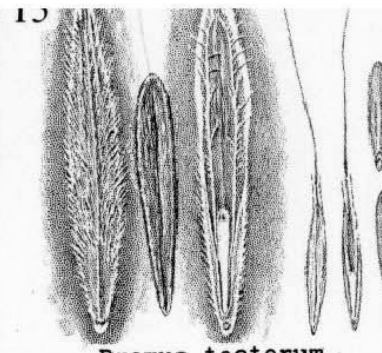
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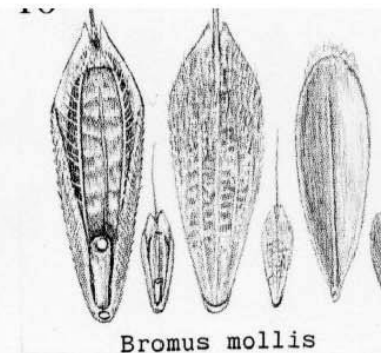
F. elatior arundinacea



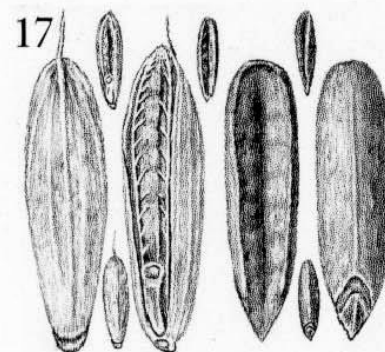
Bromus inermis



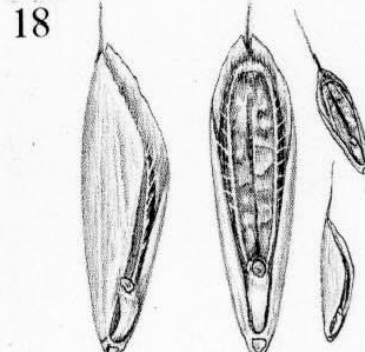
Bromus tectorum



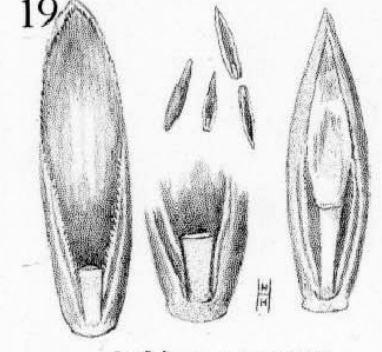
Bromus mollis



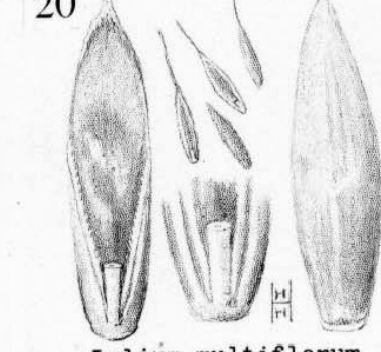
Bromus secalinus



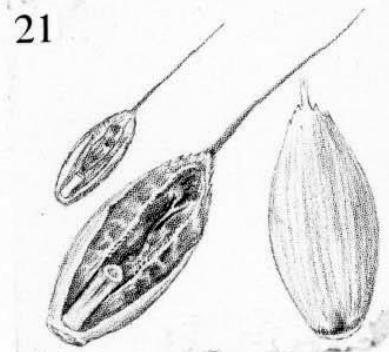
Bromus racemosus



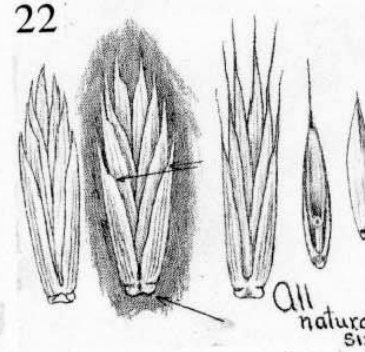
Lolium perenne



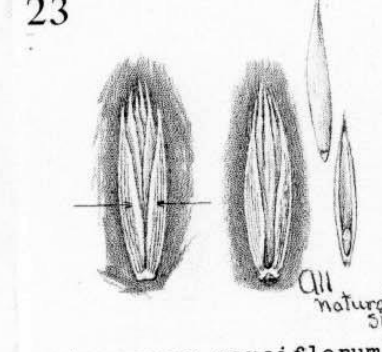
Lolium multiflorum



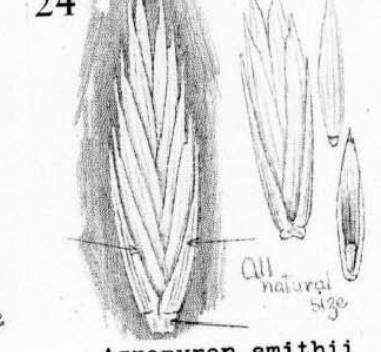
Lolium temulentum



Agropyron repens

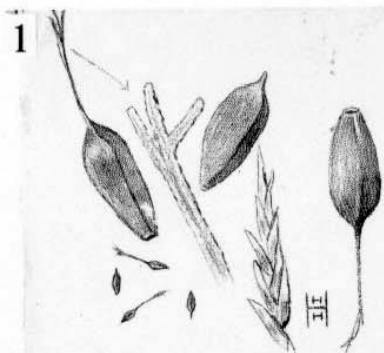


Agropyron pauciflorum

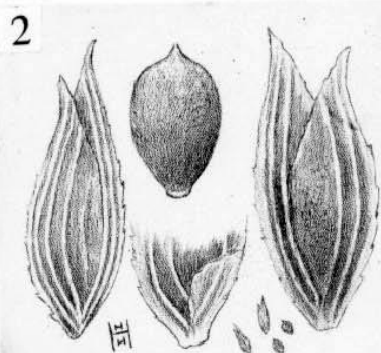


Agropyron smithii

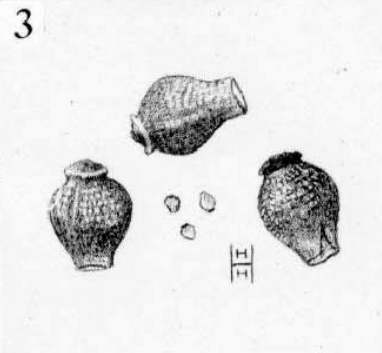
PLATE 4



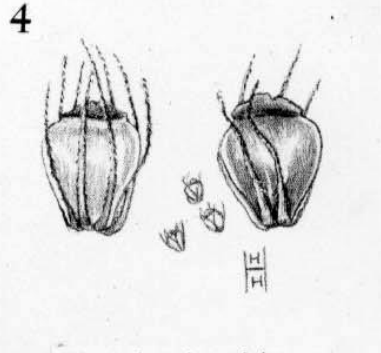
Cyperus rotundus



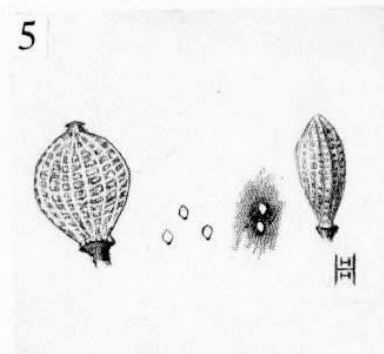
Kyllinga sp.



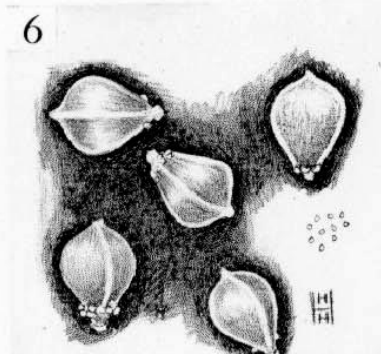
Eleocharis tenuis



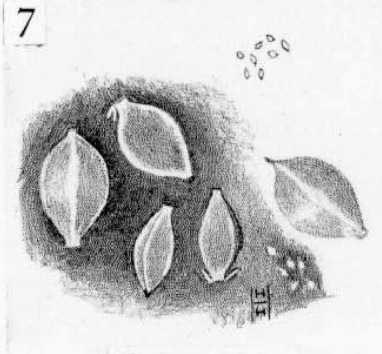
Eleocharis obtusa



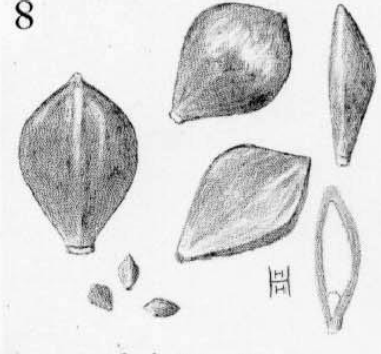
Fimbristylis diphylla



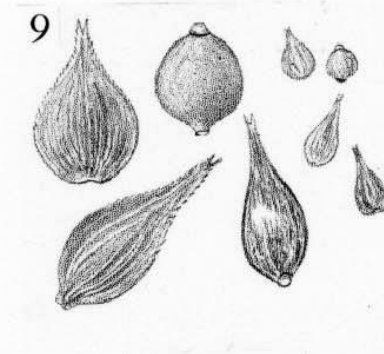
Fimbristylis autumnalis



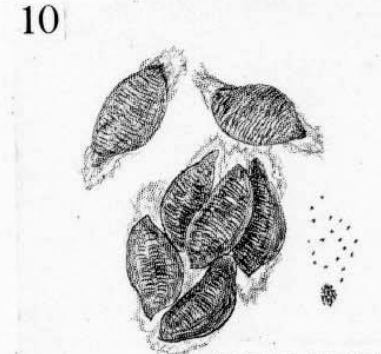
Scirpus sp.



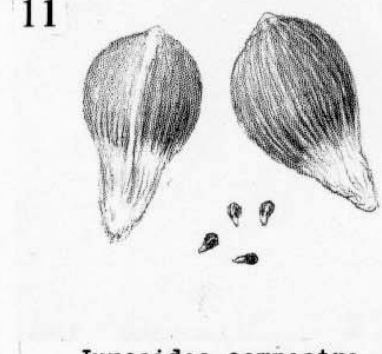
Scirpus sp.



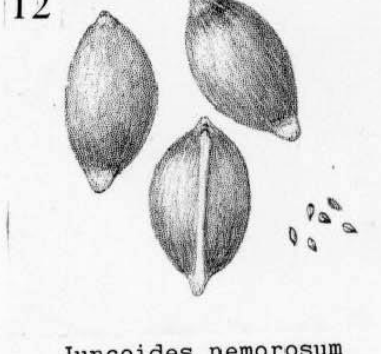
Carex spp.



Juncus tenuis



Juncoides campestre



Juncoides nemorosum

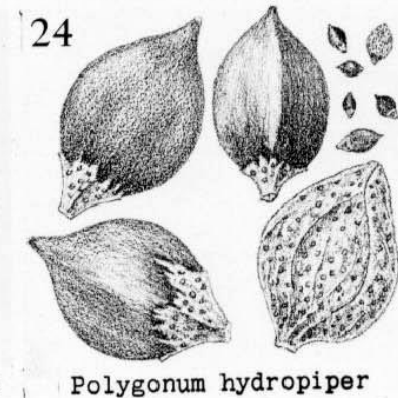
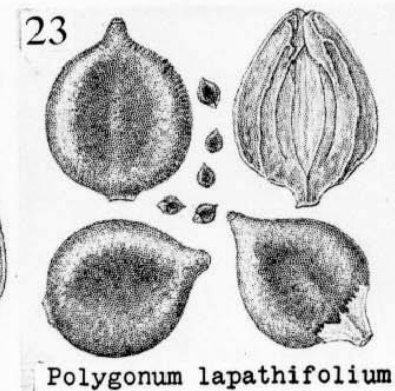
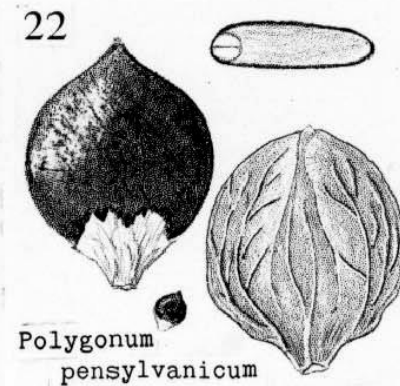
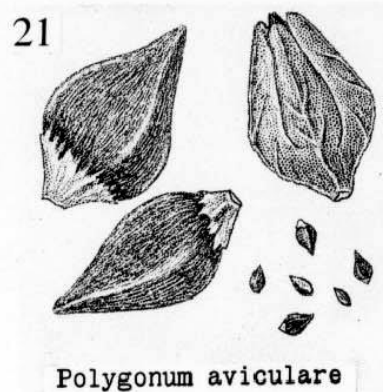
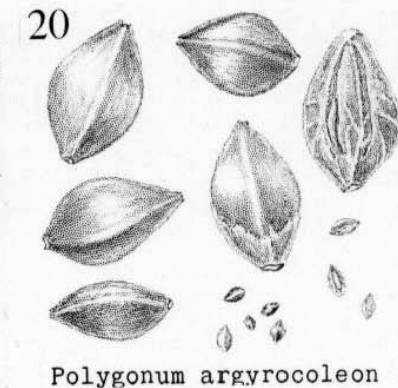
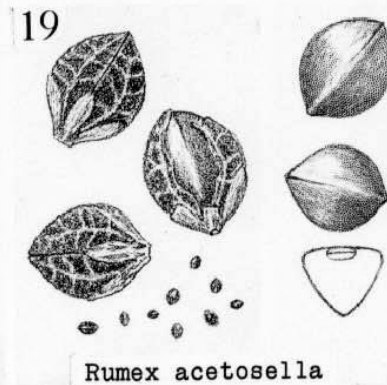
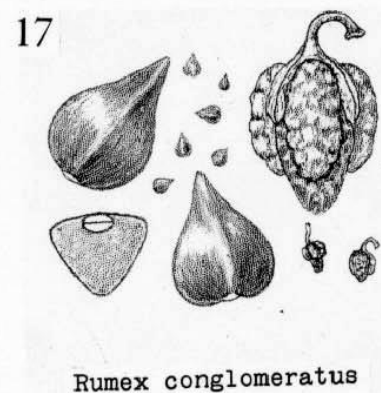
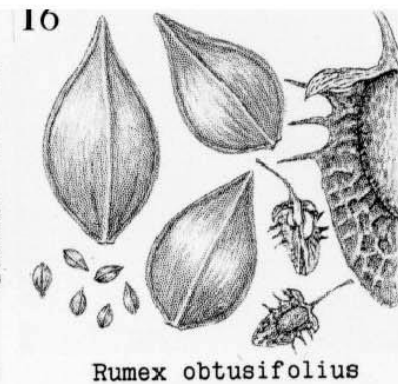
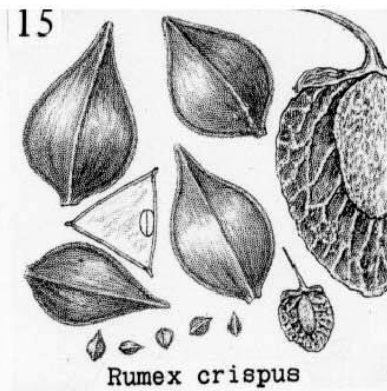
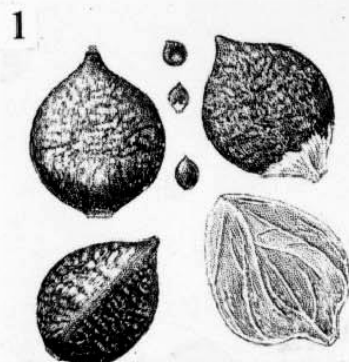
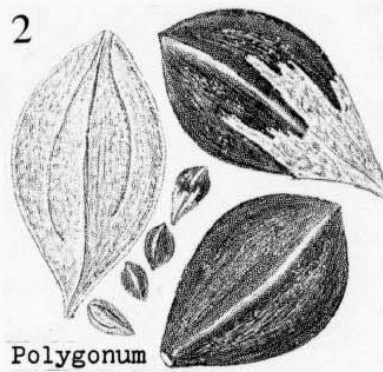


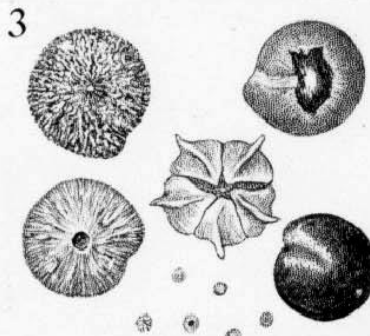
PLATE 5



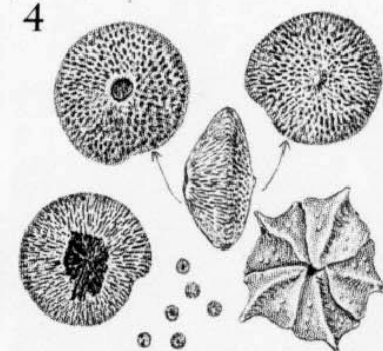
Polygonum persicaria



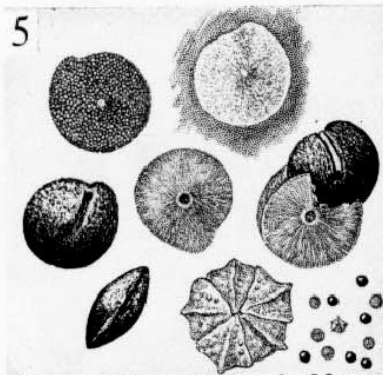
Polygonum convolvulus



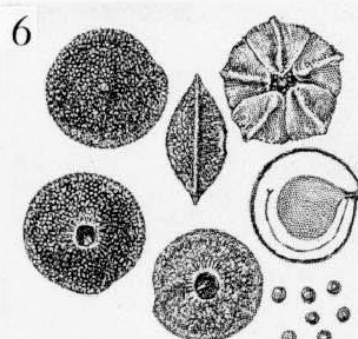
Chenopodium album



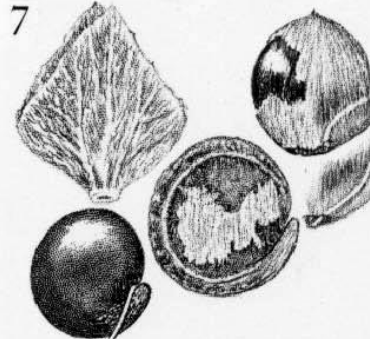
Chenopodium berlandieri



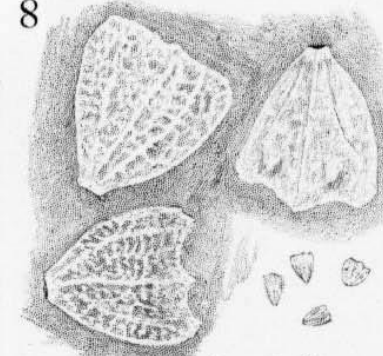
Chenopodium leptophyllum



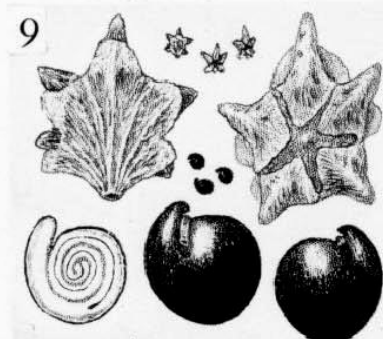
Chenopodium murale



Atriplex hastata



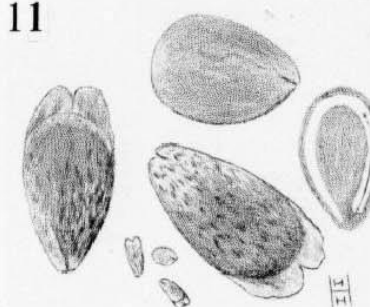
Atriplex truncata



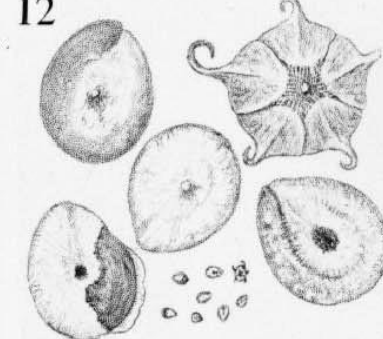
Dondia depressa



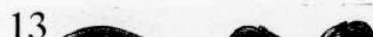
Salsola pestifer



Axyris amaranthoides



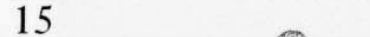
Bassia hyssopifolia



13



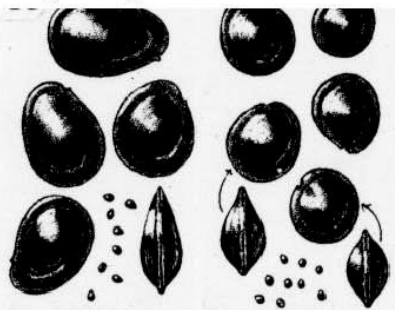
14



15

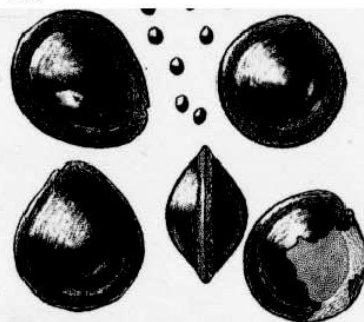


16

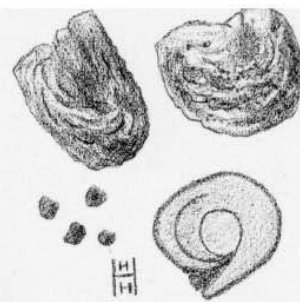


Amaranthus retroflexus

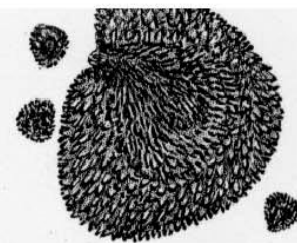
Amaranthus graecizans



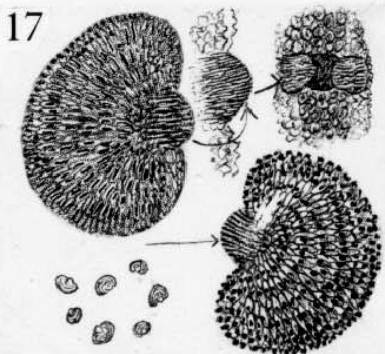
Amaranthus blitoides



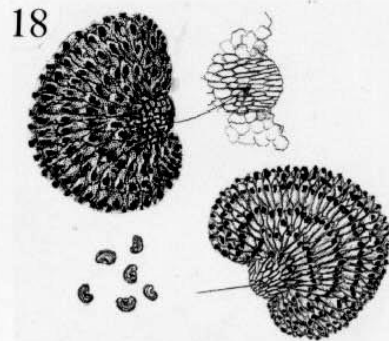
Trianthema portulacastrum



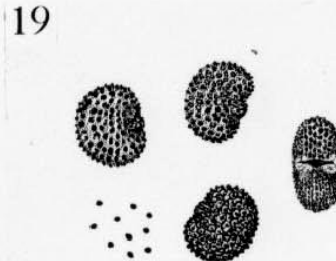
Agrostemma githago



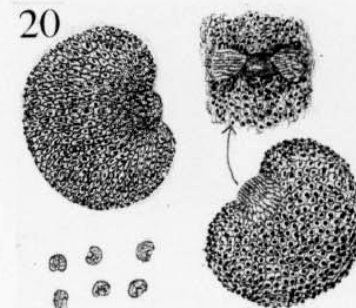
Silene latifolia



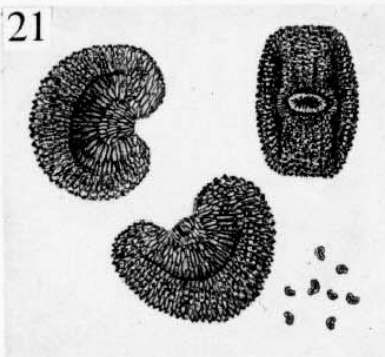
Silene dichotoma



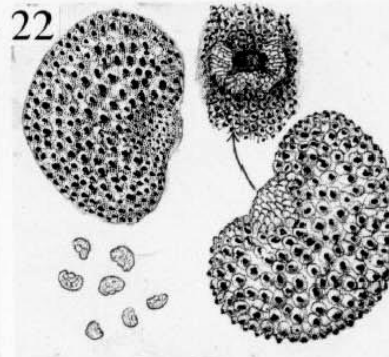
Silene antirrhina



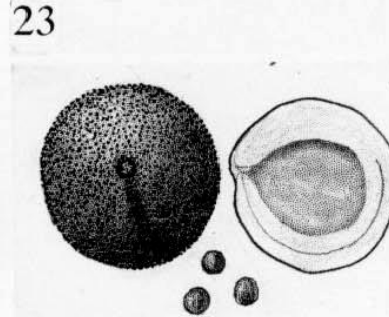
Silene noctiflora



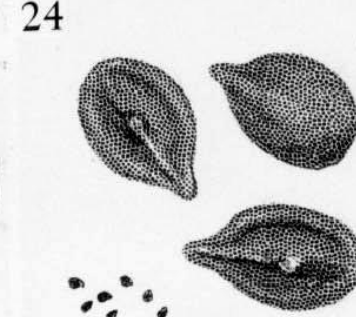
Silene anglica



Lychnis alba



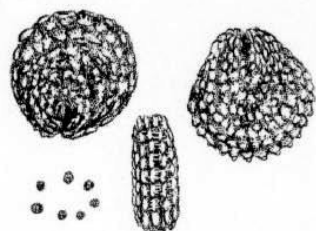
Vaccaria pyramidata



Dianthus armeria

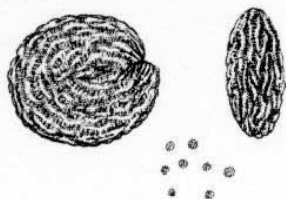
PLATE 6

1



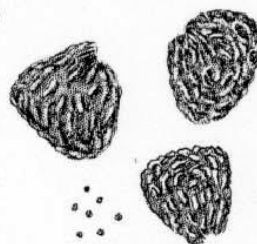
Alsine media

2



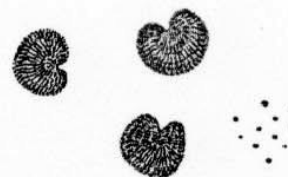
Alsine graminea

3



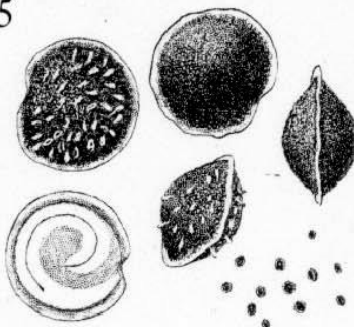
Cerastium vulgatum

4



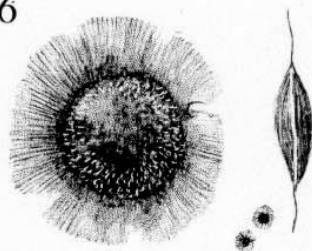
Arenaria serpyllifolia

5



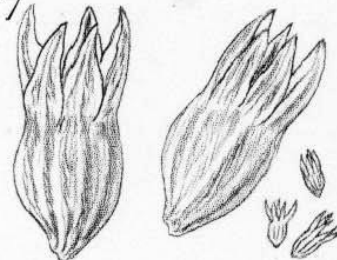
Spergula arvensis

6



Spergula pentandra

7



Scleranthus annuus

8



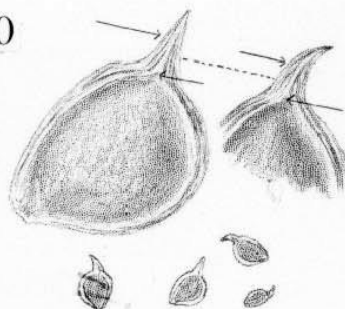
Delphinium consolida

9



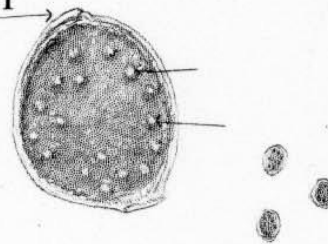
Ranunculus acris

10



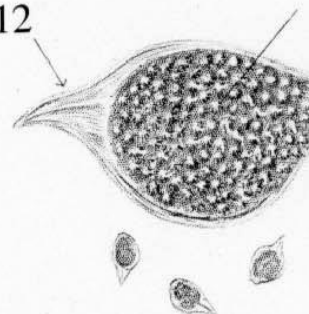
Ranunculus repens

11



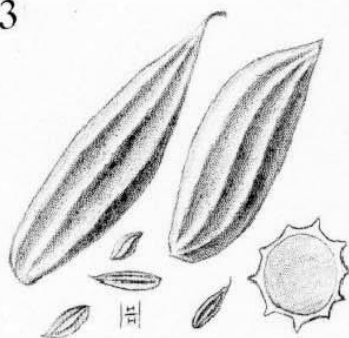
Ranunculus sardous

12



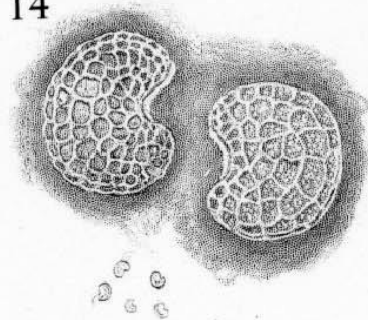
Ranunculus parviflorus

13



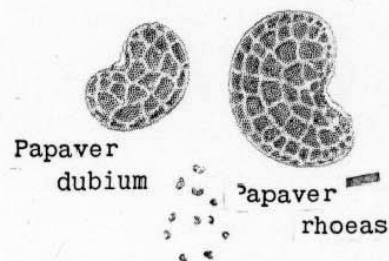
Thalictum sp.

14



Papaver scmniferum

15



Papaver spp.

16



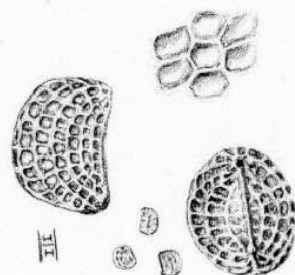
Papaver sp.

17



Papaver sp.

18



Glaucium corniculatum

19



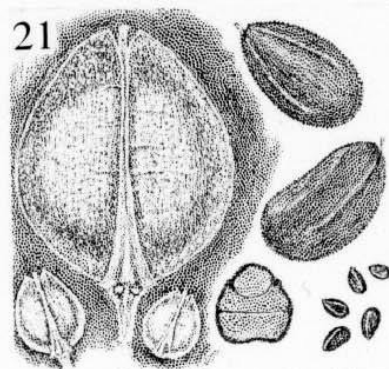
Lepidium virginicum

20



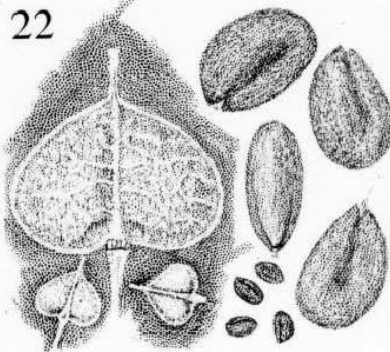
Lepidium densiflorum

21



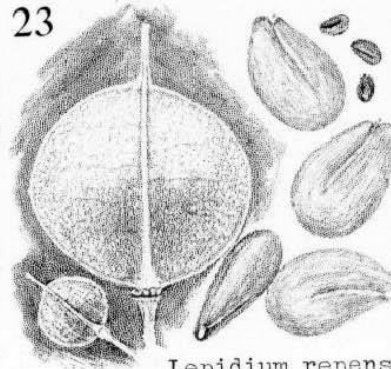
Lepidium campestre

22



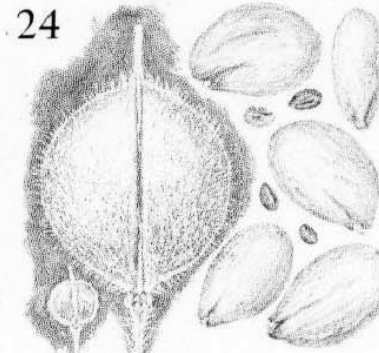
Lepidium draba

23



Lepidium repens

24

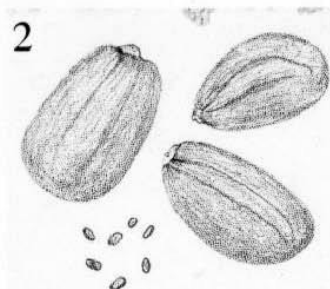


Hymenophyssa pubescens

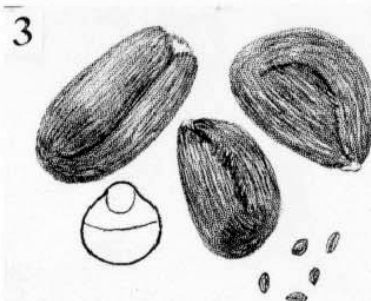
PLATE 7



Thlaspi arvense



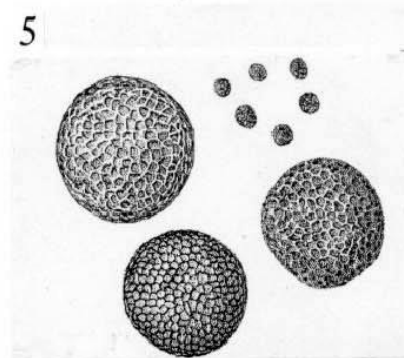
Norta altissima



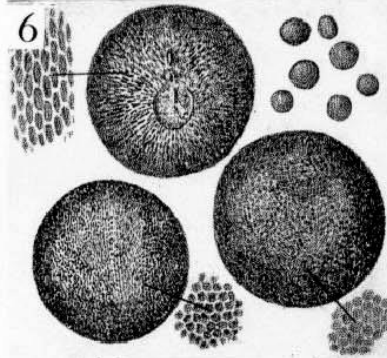
Erysimum officinale



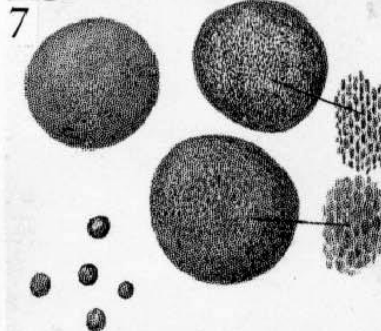
Brassica nigra



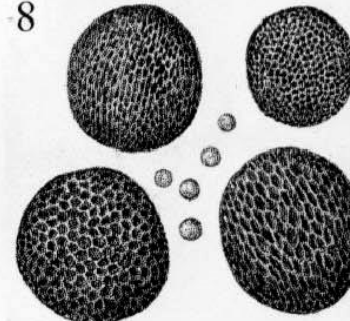
Brassica juncea



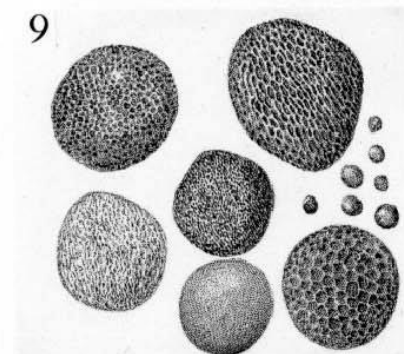
Brassica napus



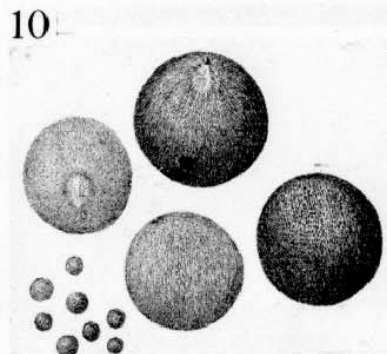
Brassica napus



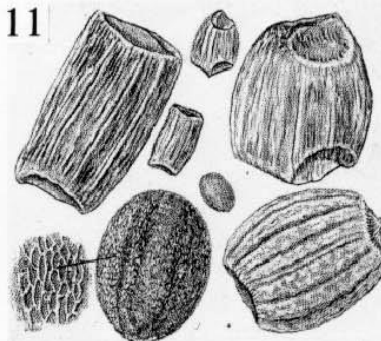
Brassica rapa var.



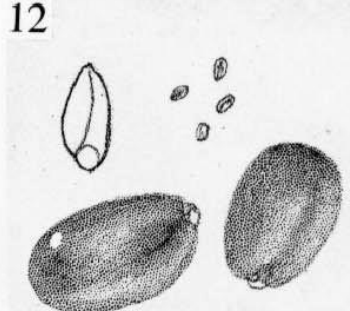
Brassica campestris



Brassica arvensis



Raphanus raphanistrum



Campe barbarea

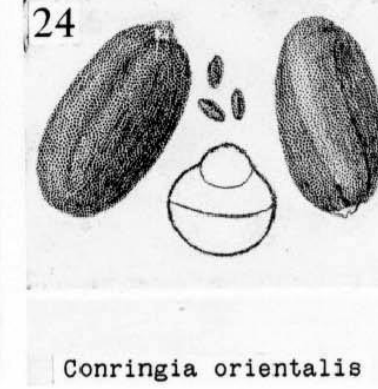
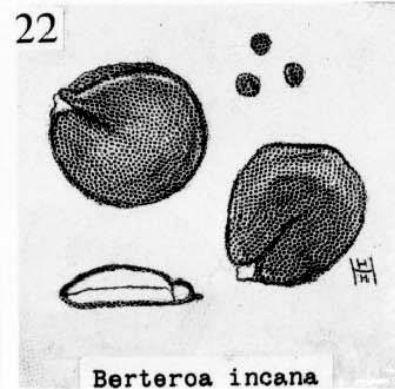
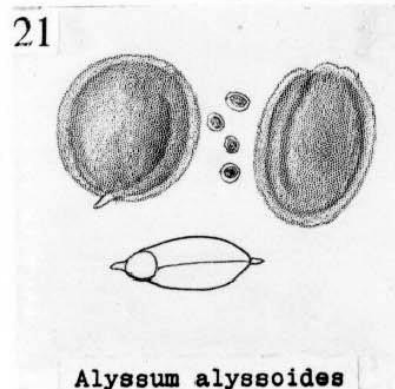
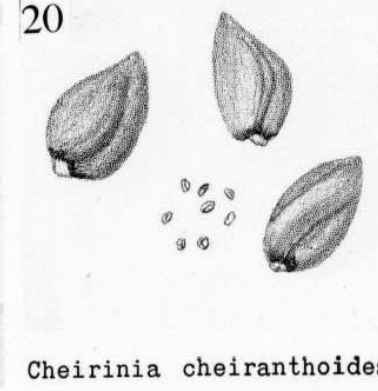
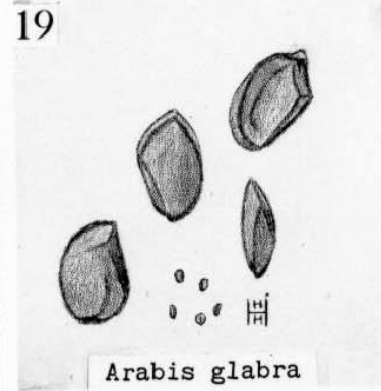
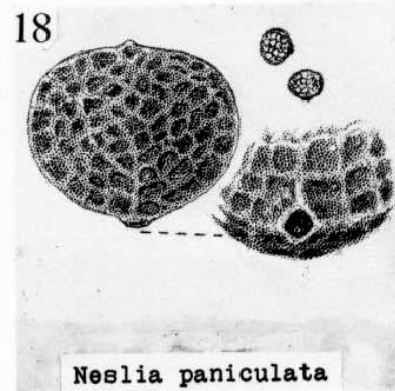
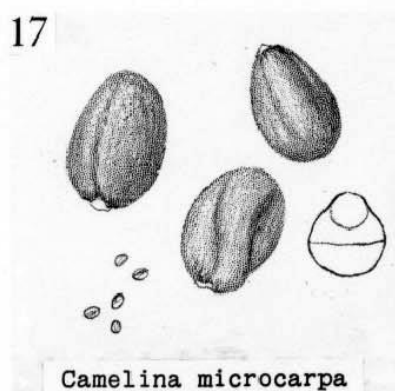
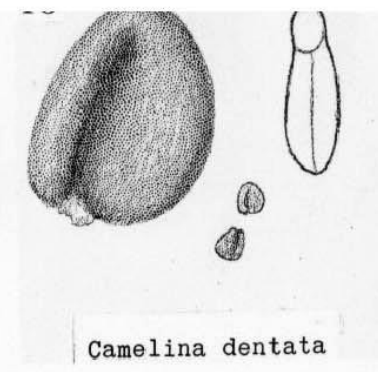
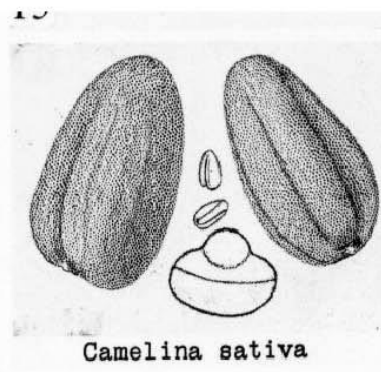
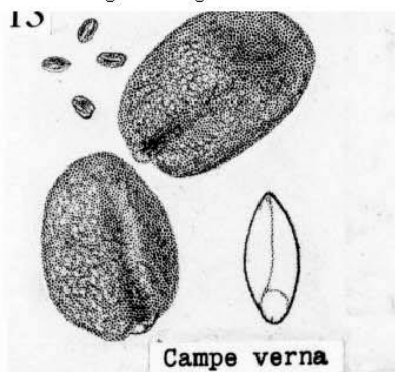
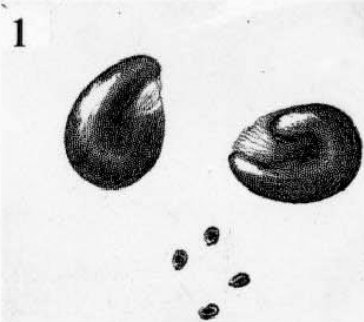


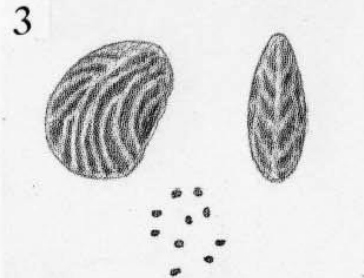
PLATE 8



Reseda lutea



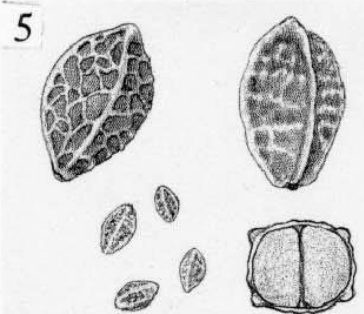
Rubus sp.



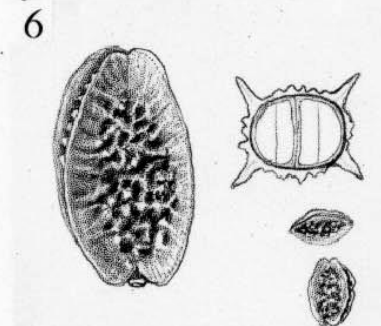
Potentilla monspeliensis



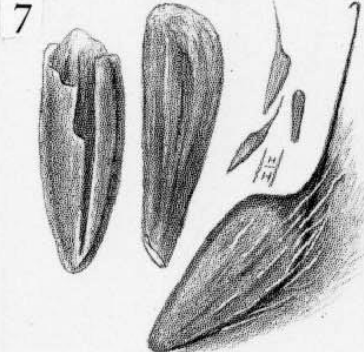
Potentilla canadensis



Sanguisorba minor



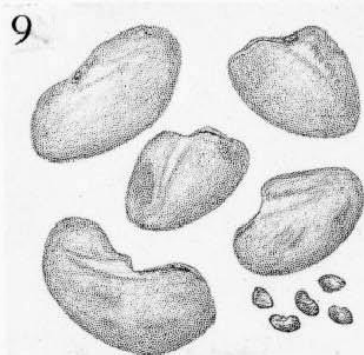
Sanguisorba sp.



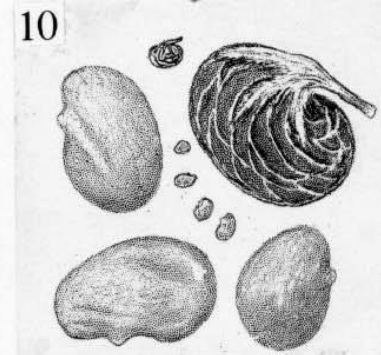
Geum sp.



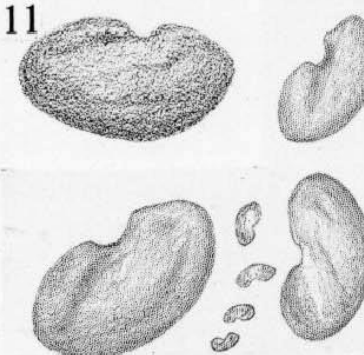
Rosa sp.



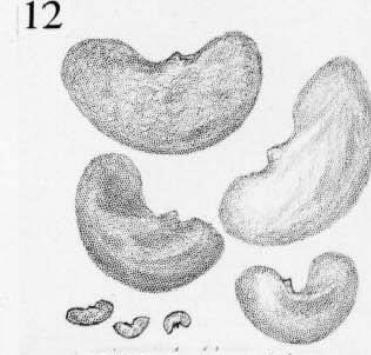
Medicago sativa



Medicago lupulina



Medicago hispida



Medicago arabica



13



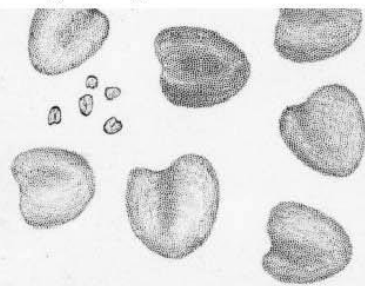
14



15



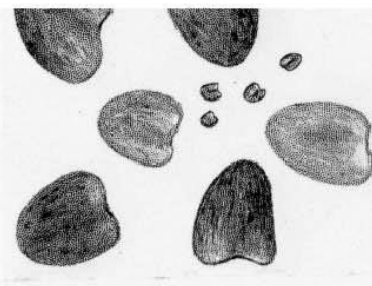
16



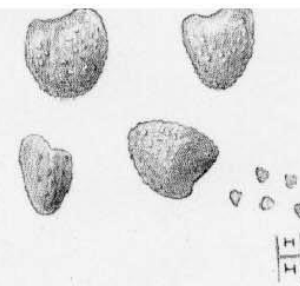
Trifolium repens



Trifolium pratense



Trifolium hybridum



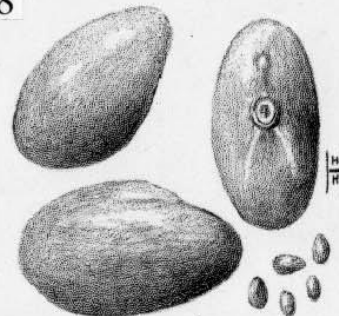
Trifolium parviflorum

17



Trifolium angulatum

18



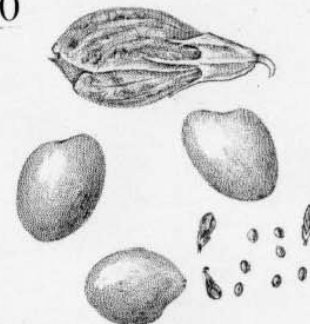
Trifolium incarnatum

19



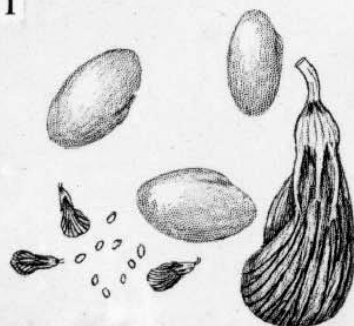
Trifolium arvense

20



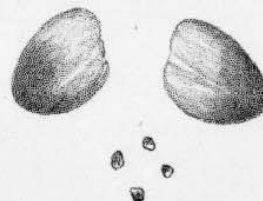
Trifolium dubium

21



Trifolium procumbens

22



Trifolium agrarium

23



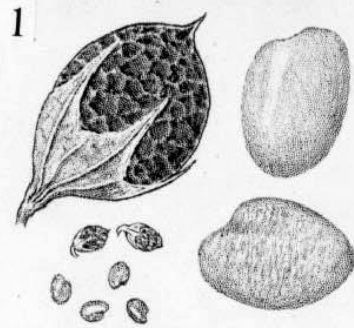
Lotus corniculatus

24

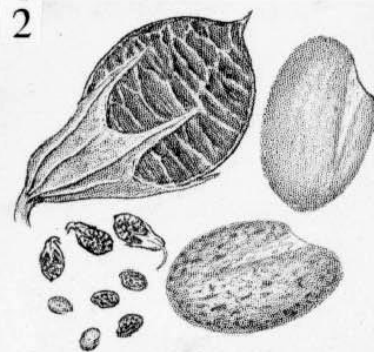


Lotus americanus

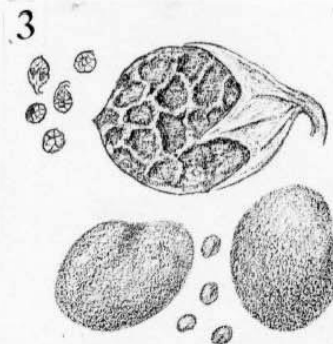
PLATE 9



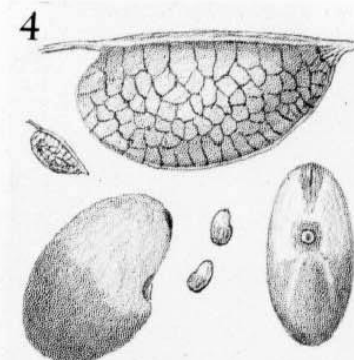
Melilotus alba



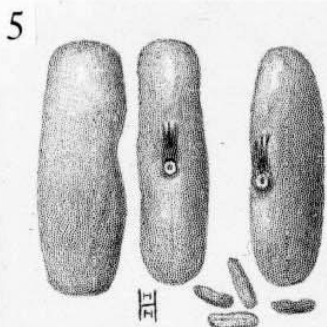
Melilotus officinalis



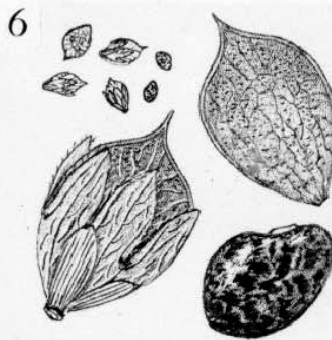
Melilotus indica



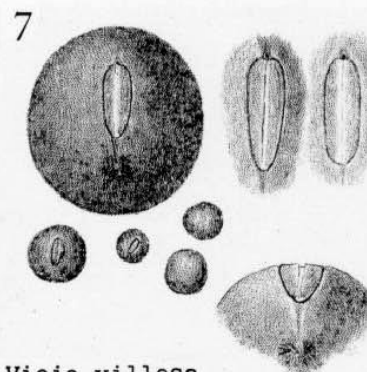
Anthyllis vulneraria



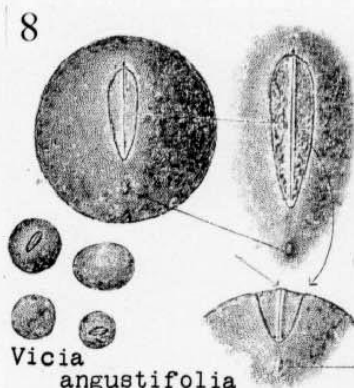
Coronilla varia



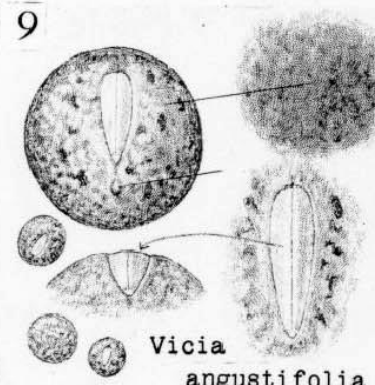
Lespedeza striata



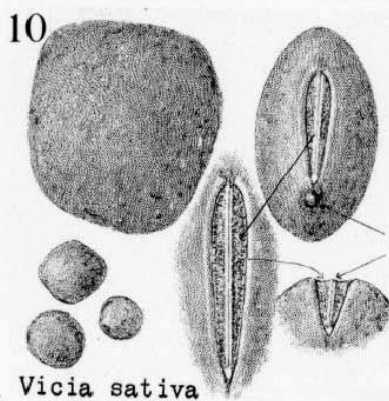
Vicia villosa



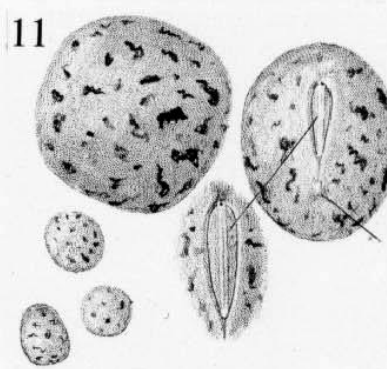
Vicia angustifolia



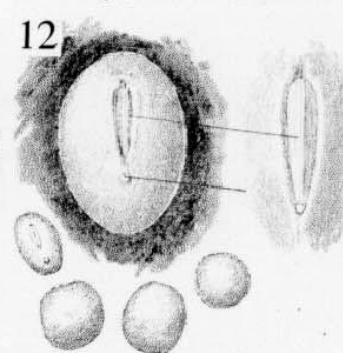
Vicia angustifolia



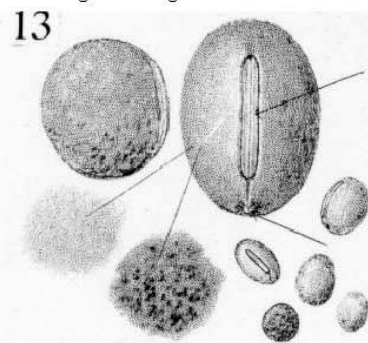
Vicia sativa



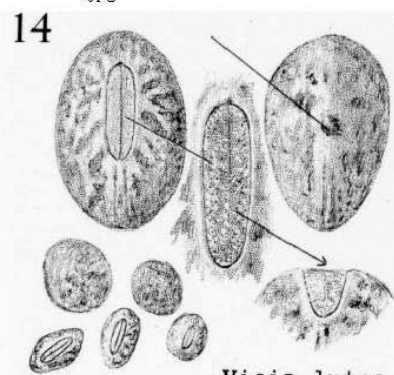
Vicia sativa



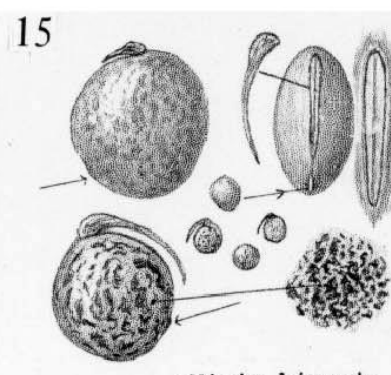
Vicia sativa



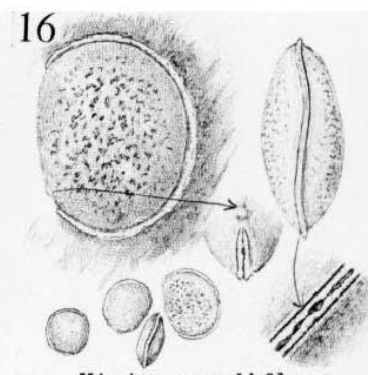
Vicia sp.



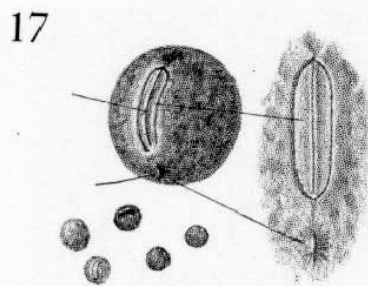
Vicia lutea



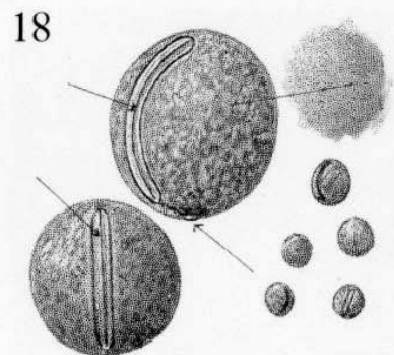
Vicia hirsuta



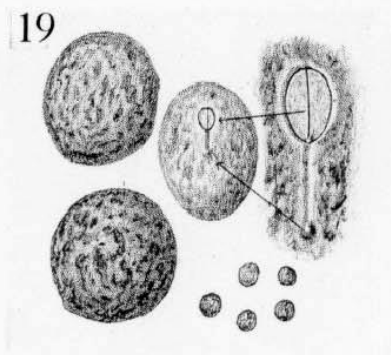
Vicia grandiflora



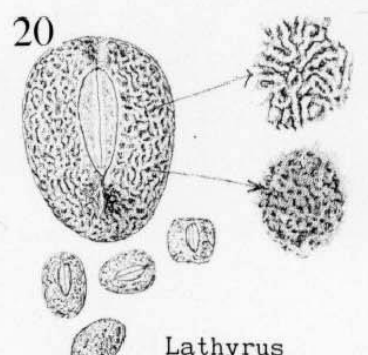
Vicia tetrasperma



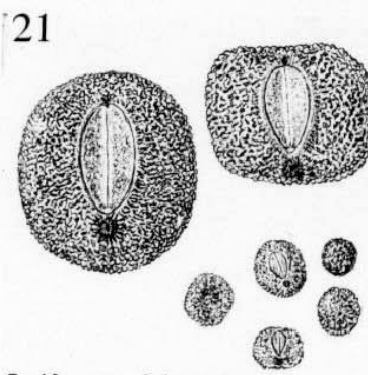
Vicia cracca



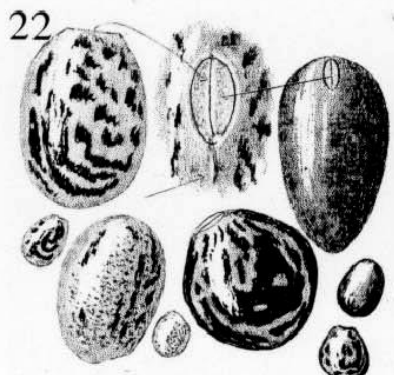
Vicia gracilis



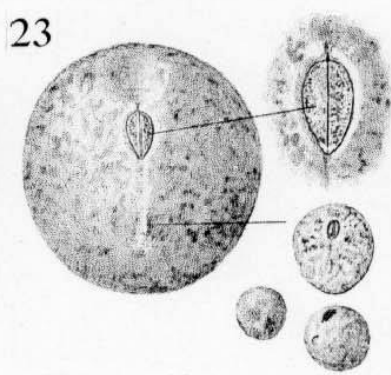
Lathyrus tuberosus



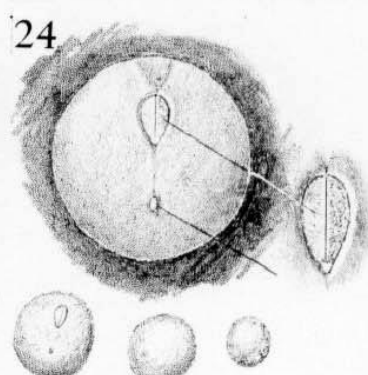
Lathyrus hirsutus



Lathyrus aphaca

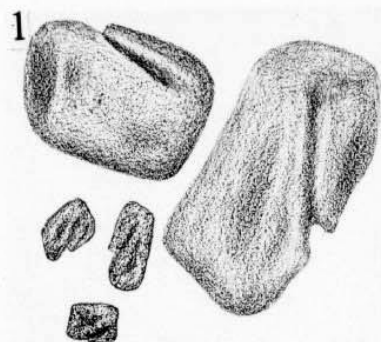


Pisum sativum arvense

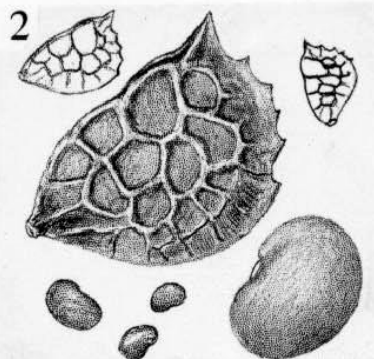


Pisum sativum

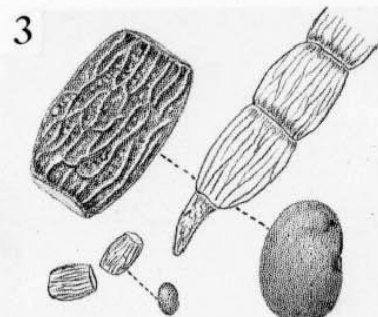
PLATE 10



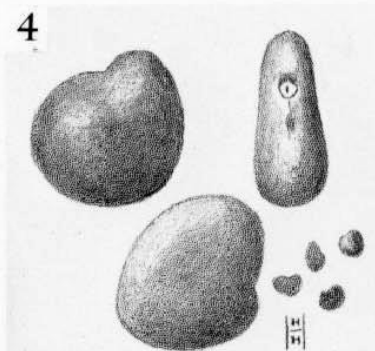
Trigonella foenum graecum



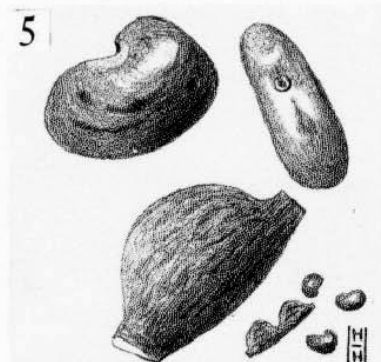
Onobrychis viciaefolia



Ornithopus sativus



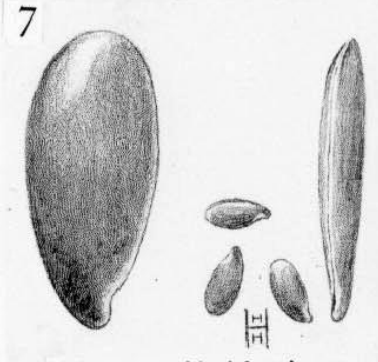
Swainsona salsula



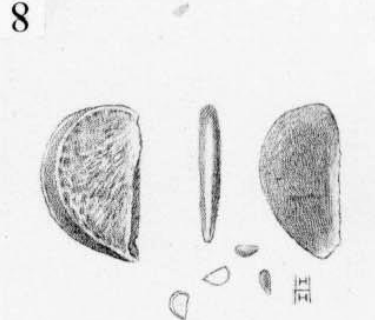
Alhagi pseudalhagi



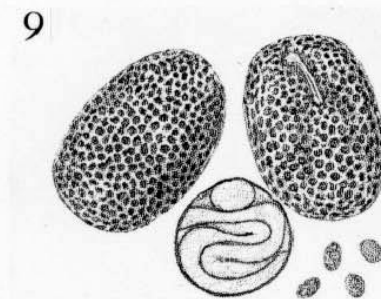
Oxalis stricta



Linum usitatissimum



Linum virginianum



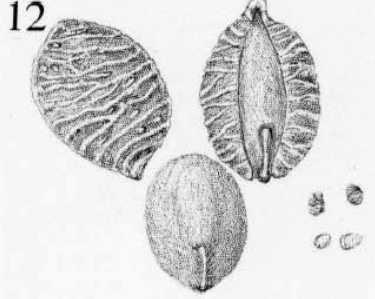
Geranium dissectum



Geranium carolinianum

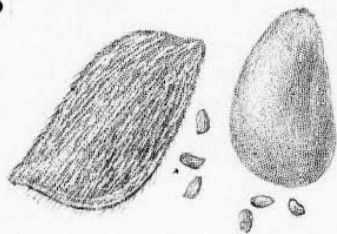


Geranium columbinum



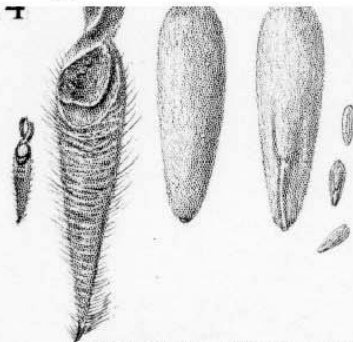
Geranium molle

15



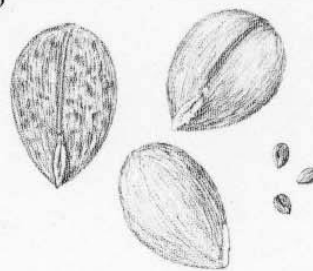
Geranium pusillum

16



Erodium cicutarium

18



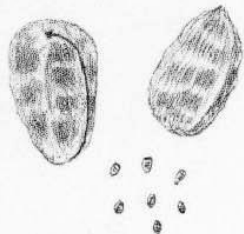
Acalypha virginica

19



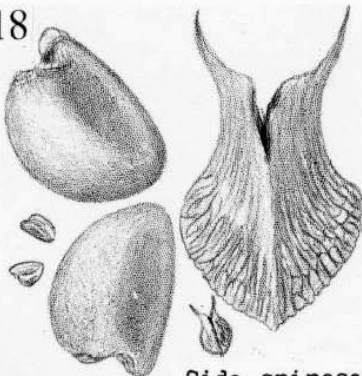
Euphorbia preslii

17



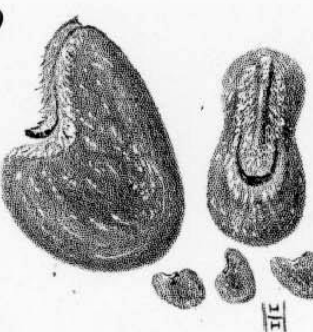
Euphorbia maculata

18



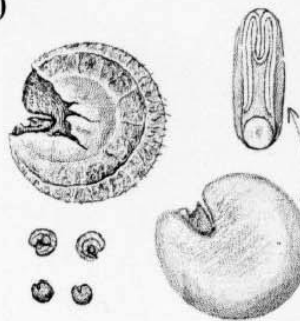
Sida spinosa

19



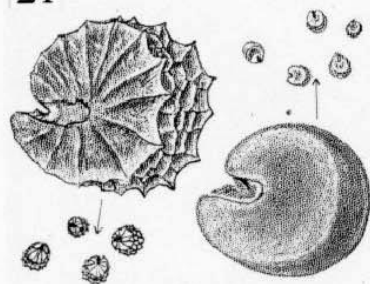
Abutilon theophrasti

20



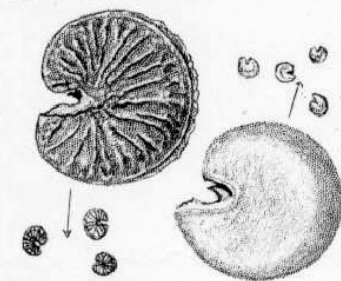
Malva rotundifolia

21



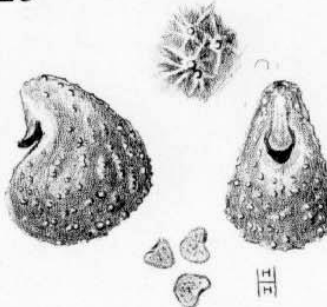
Malva parviflora

22



Althaea hirsuta

23



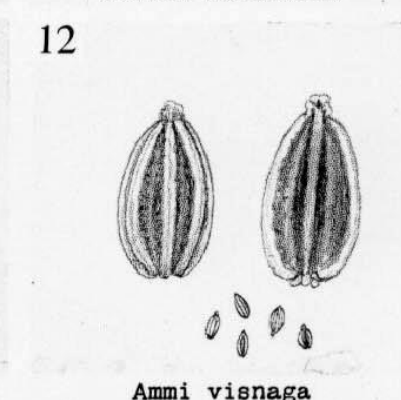
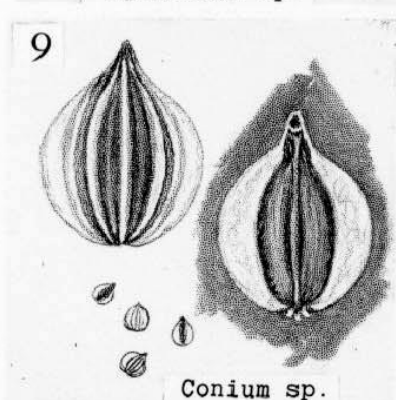
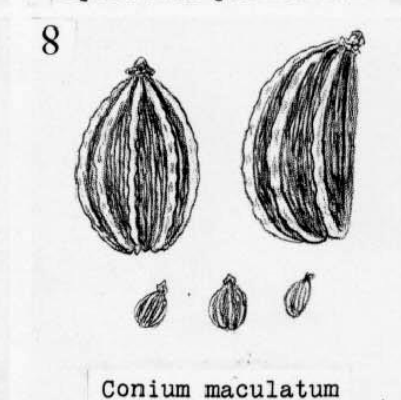
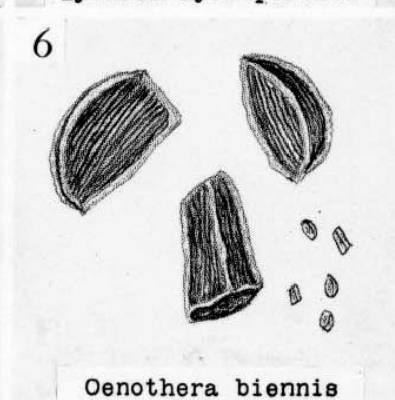
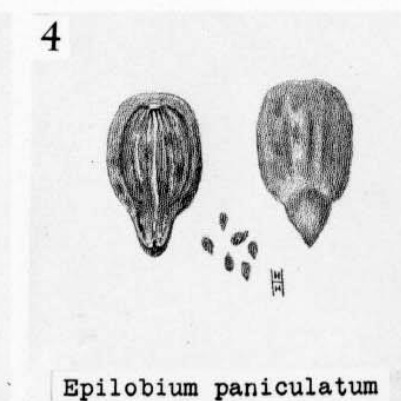
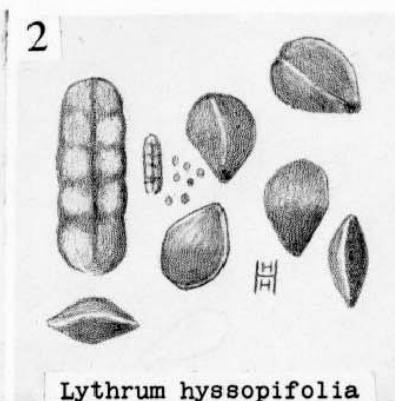
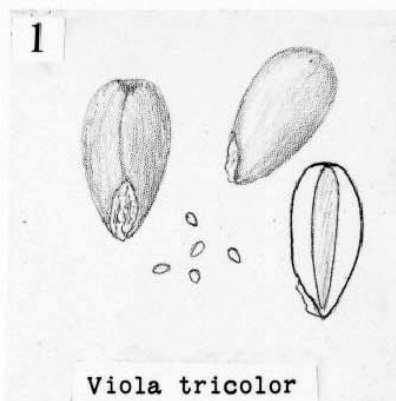
Hibiscus trionum

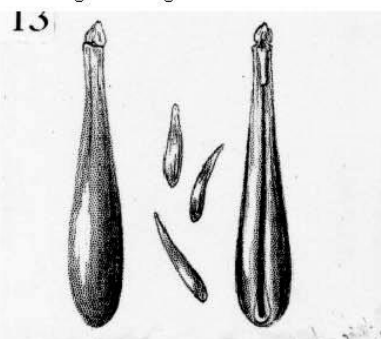
24



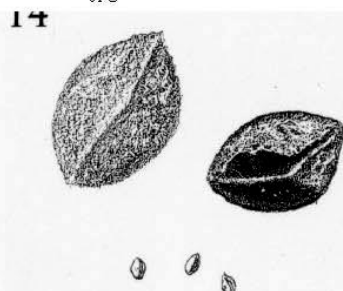
Hypericum perforatum

PLATE 11

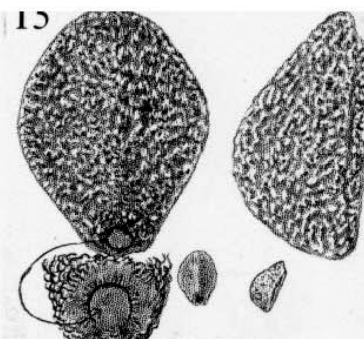




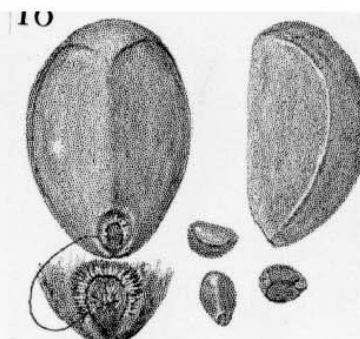
Anthriscus sylvestris



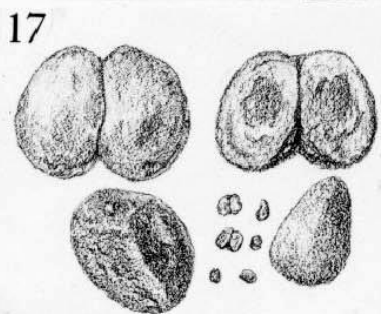
Anagallis arvensis



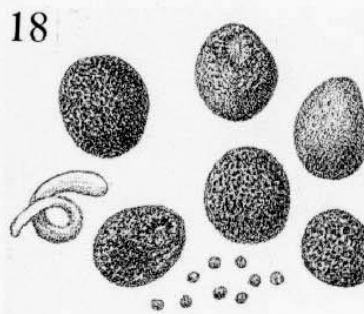
Convolvulus arvensis



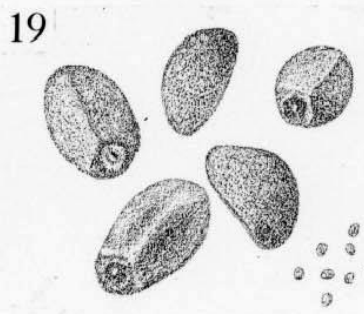
Ipomoea purpurea



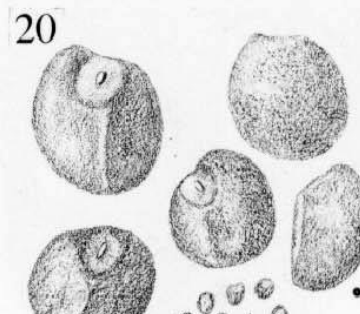
Cuscuta epilinum



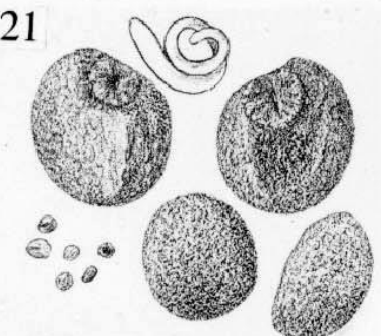
Cuscuta epithymum



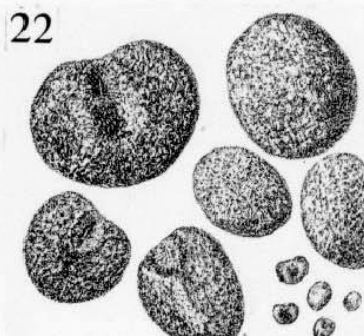
Cuscuta planiflora



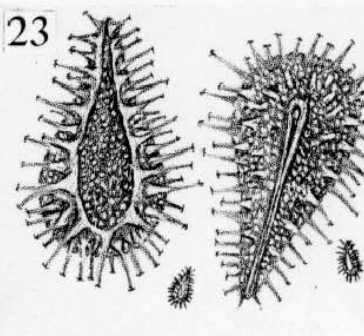
Cuscuta pentagona



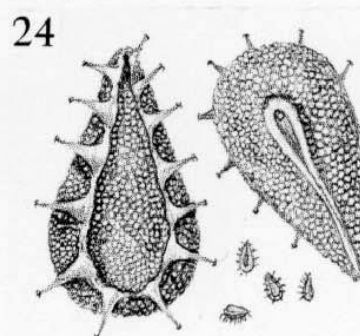
Cuscuta racemosa chiliana



Cuscuta indecora



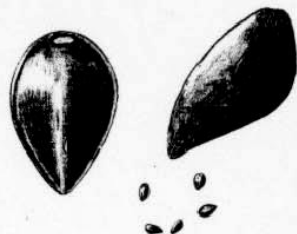
Lappula echinata



Lappula occidentalis

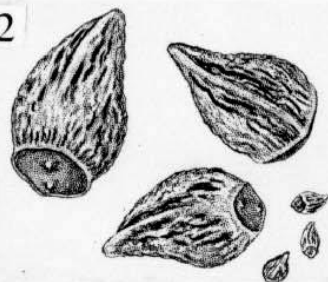
PLATE 12

1



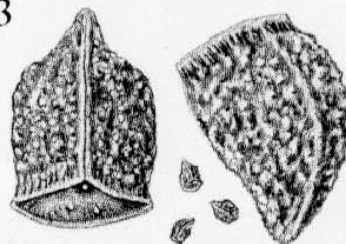
Myosotis arvensis

2



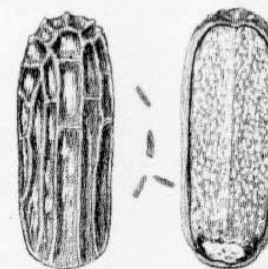
Lithospermum arvense

3



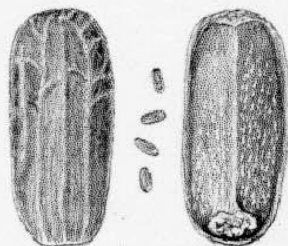
Echium vulgare

4



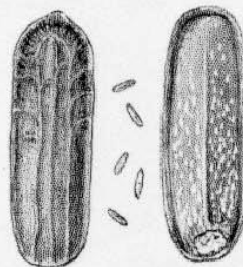
Verbena officinalis

5



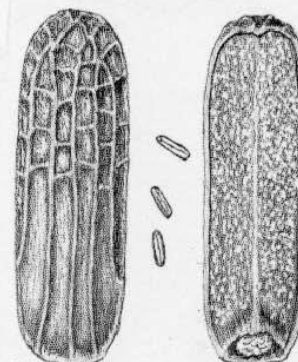
Verbena urticifolia

6



Verbena hastata

7



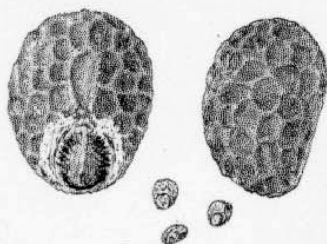
Verbena stricta

8



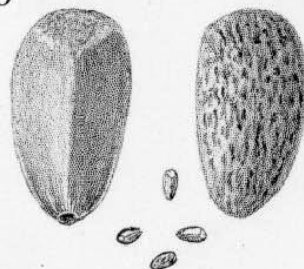
Ajuga chamaepitys

9



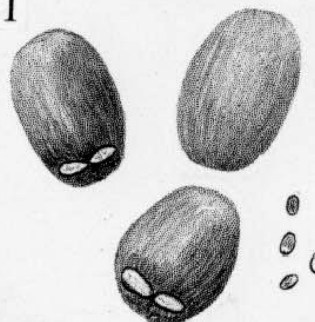
Teucrium canadense

10



Marrubium vulgare

11



Nepeta cataria

12



Moldavica parviflora

13

14

15

16

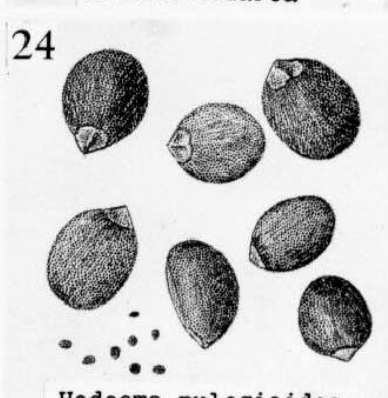
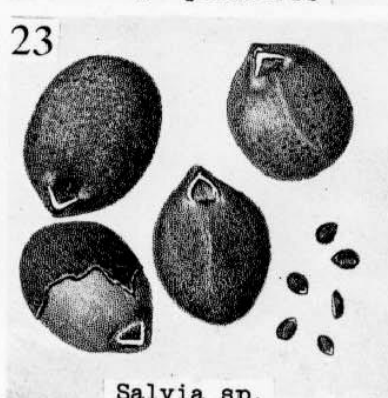
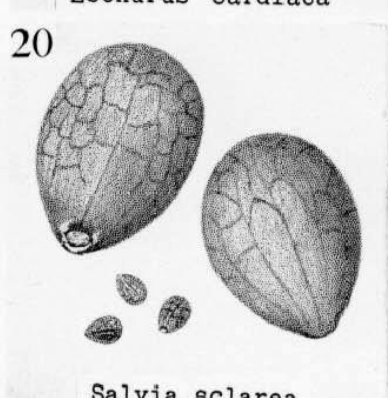
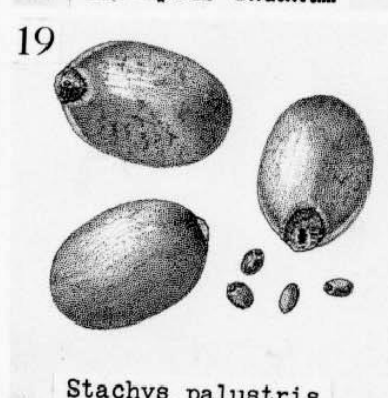
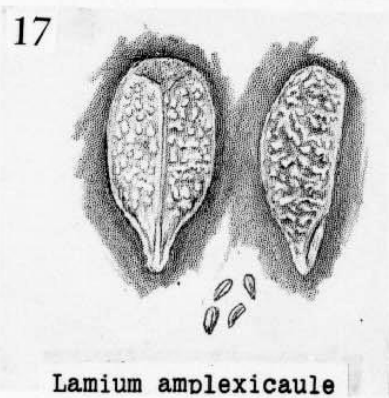
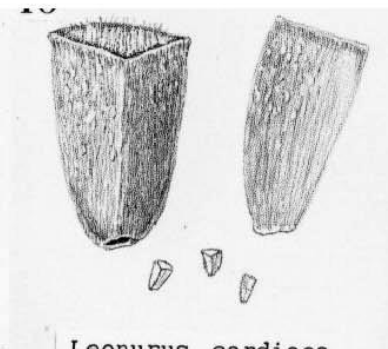
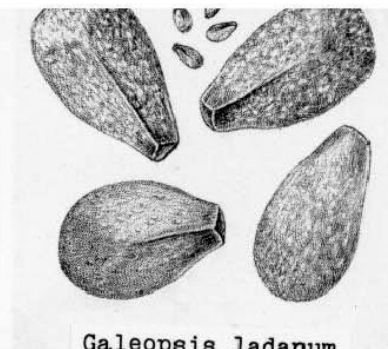
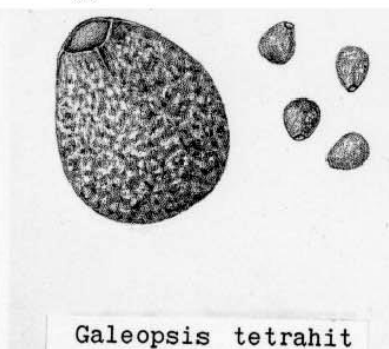
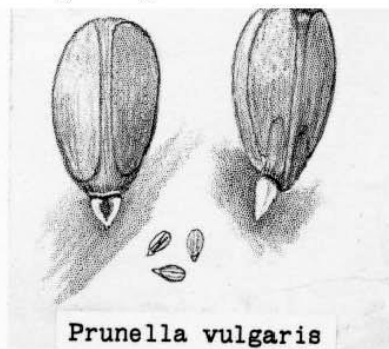
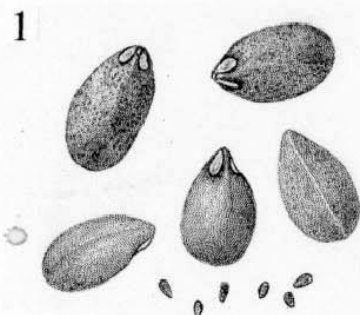
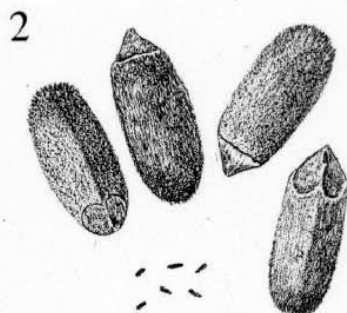


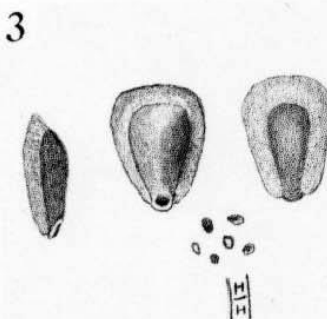
PLATE 13



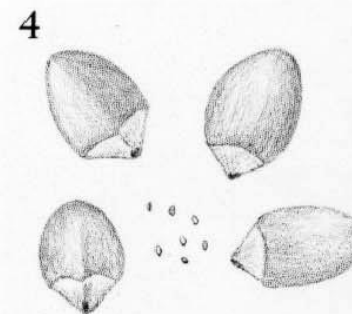
Clinopodium acinos



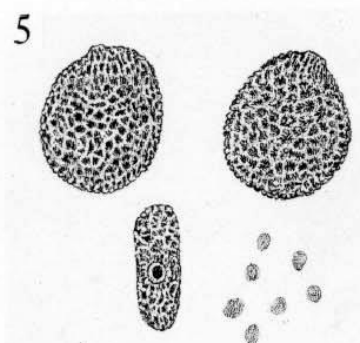
Koellia sp.



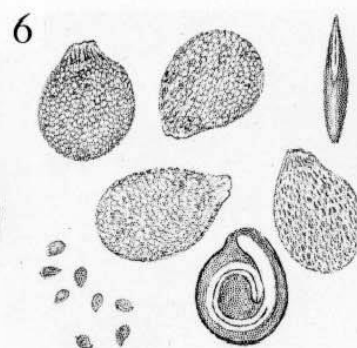
Lycopodium virginicus



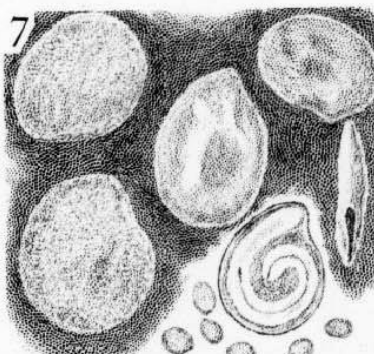
Mentha arvensis



Hyoscyamus niger



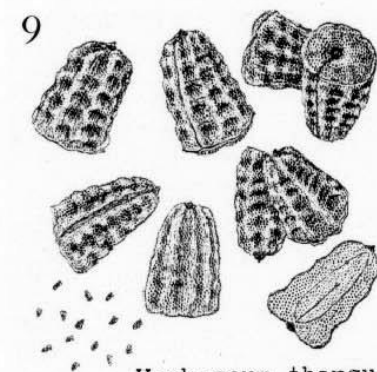
Solanum nigrum



Solanum carolinense



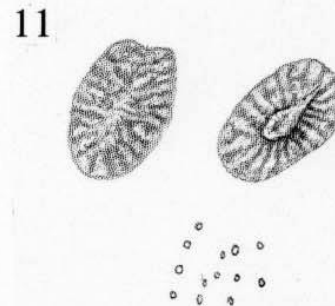
Solanum rostratum



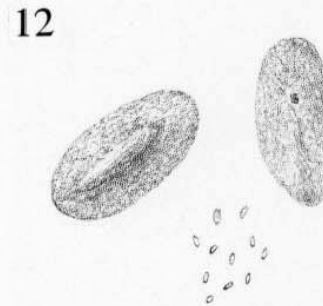
Verbascum thapsus



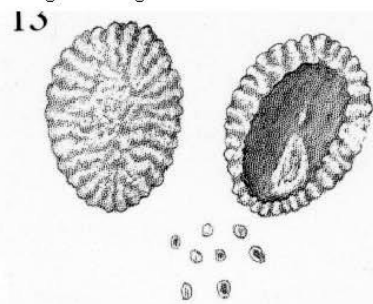
Scrophularia marilandica



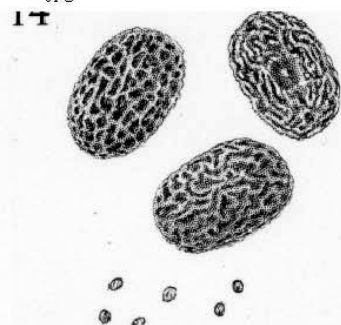
Veronica arvensis



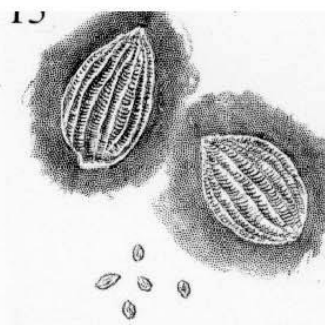
Veronica peregrina



Veronica agrestis



Kickxia spuria



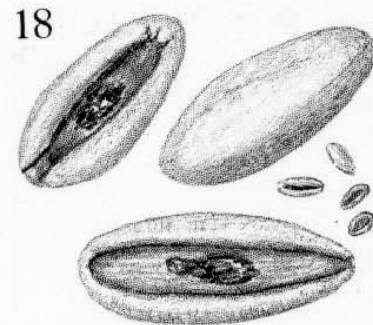
Euphrasia sp.



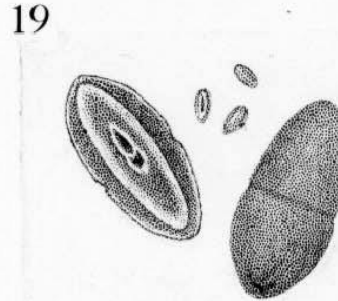
Plantago rugelii



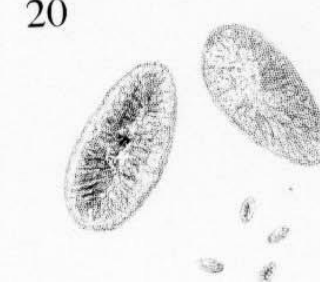
Plantago major



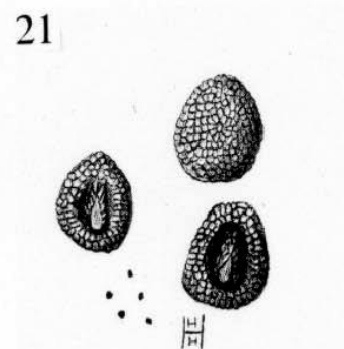
Plantago lanceolata



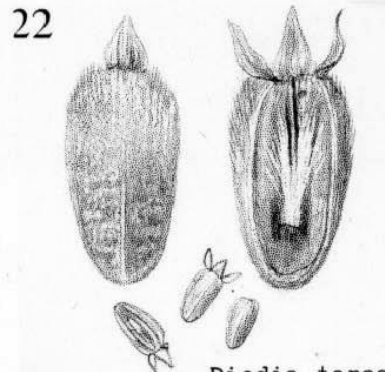
Plantago aristata



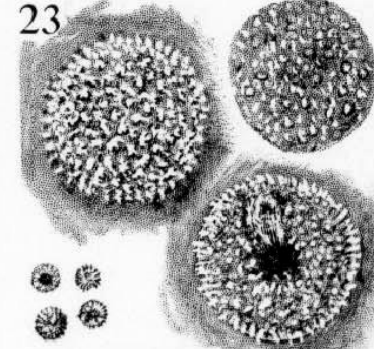
Plantago virginica



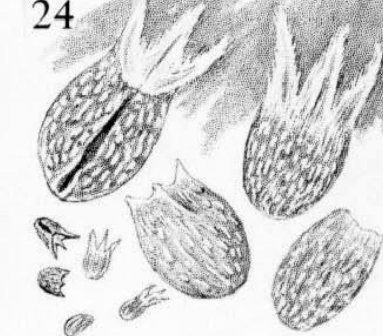
Houstonia purpurea



Diodia teres

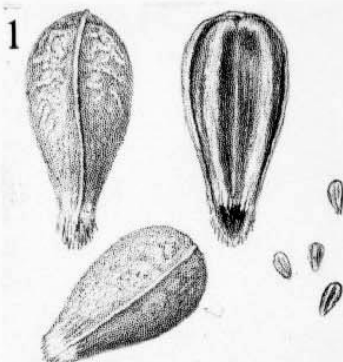


Galium aparine

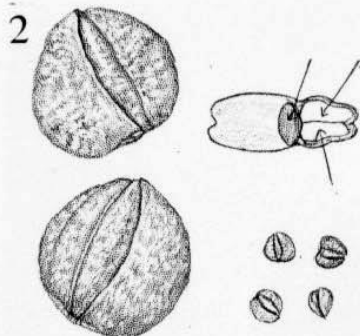


Sherardia arvensis

PLATE 14



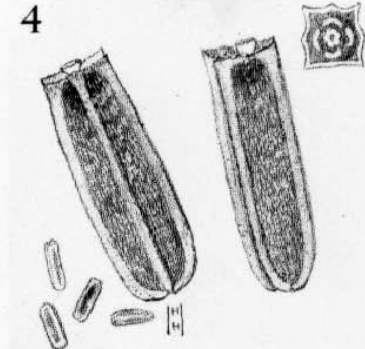
Valerianella dentata



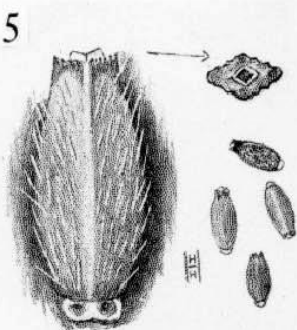
Valerianella locusta



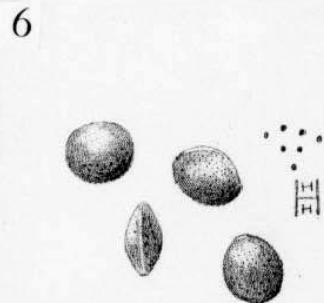
Valerianella eriocarpa



Dipsacus sylvestris



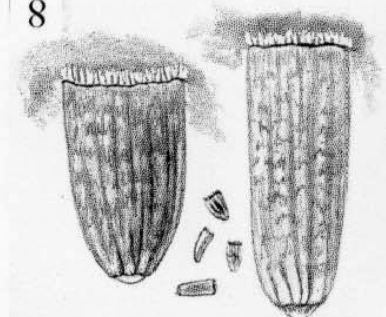
Scabiosa arvensis



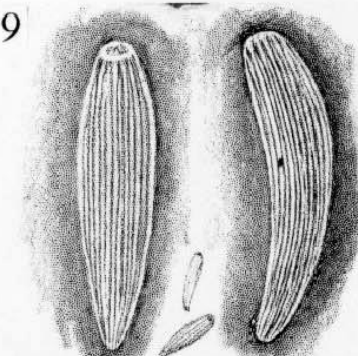
Specularia perfoliata



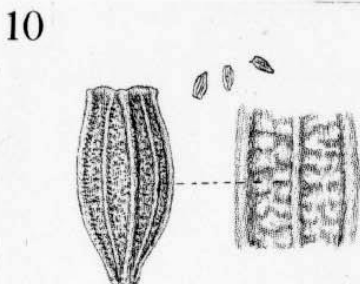
Lobelia inflata



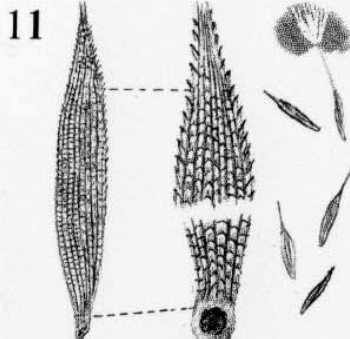
Cichorium intybus



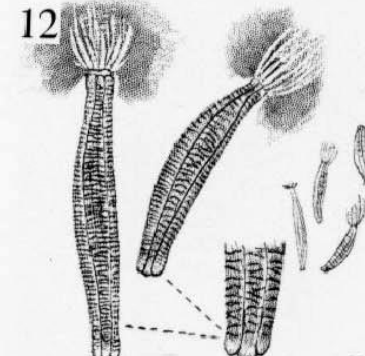
Lapsana communis



Arnoseris minima



Hypochaeris radicata



Apargia autumnalis

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14

- 15

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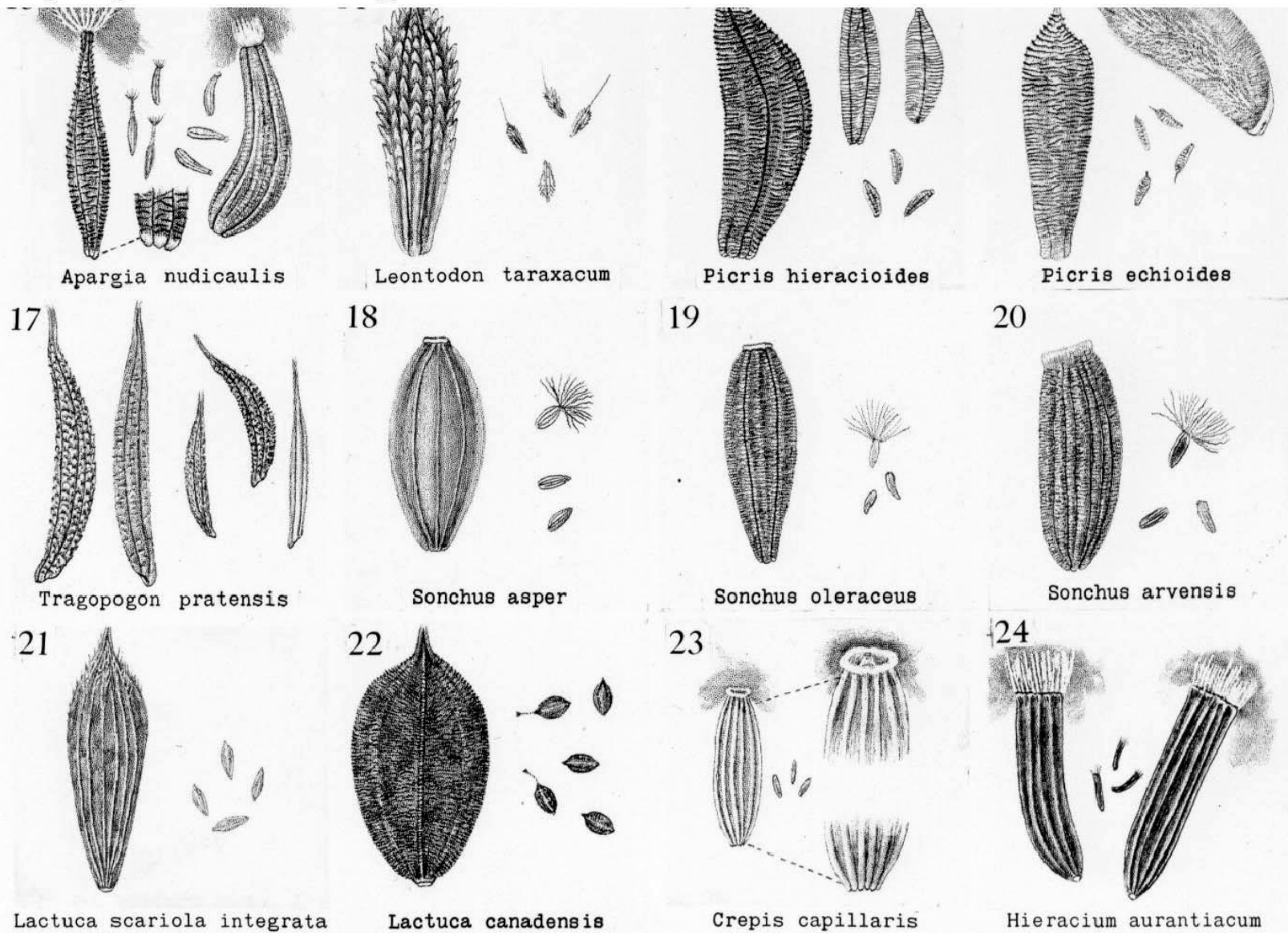
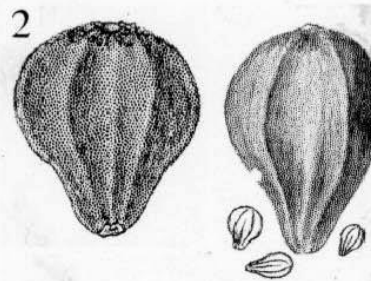


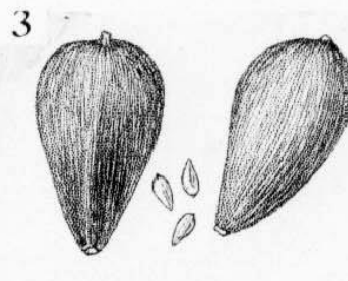
PLATE 15



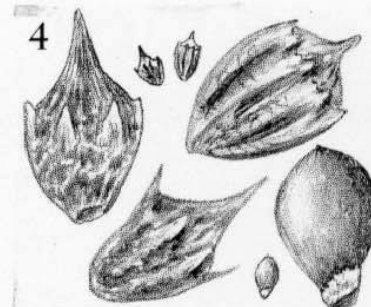
Iva axillaris



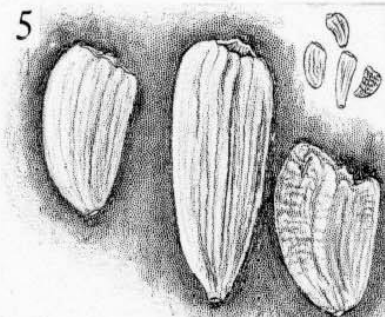
Iva ciliata



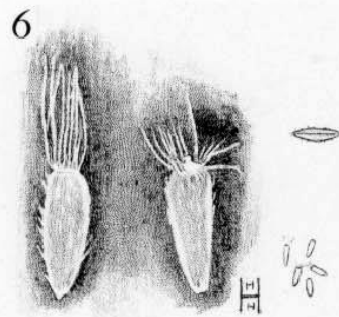
Iva xanthifolia



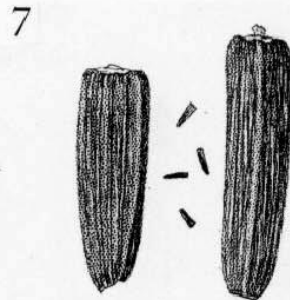
Ambrosia elatior



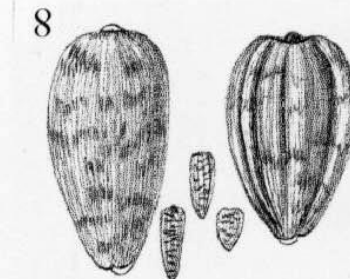
Grindelia squarrosa



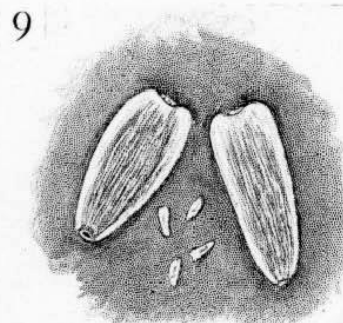
Erigeron canadensis



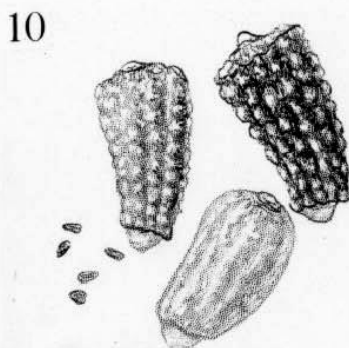
Rudbeckia hirta



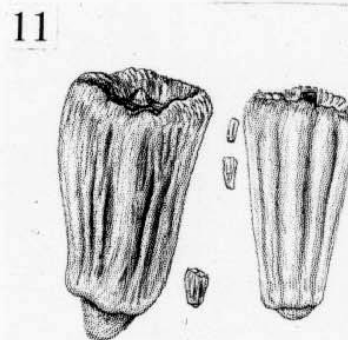
Helianthus annuus



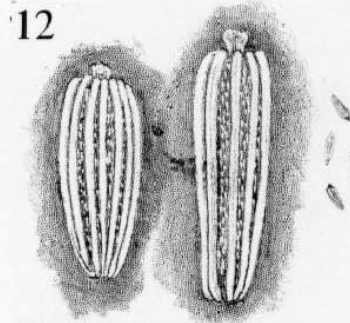
Achillea millefolium



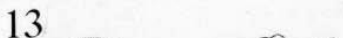
Anthemis cotula



Anthemis arvensis



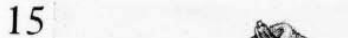
Chrysanthemum leucanthemum



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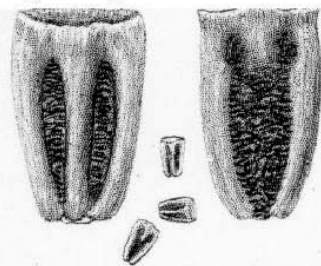
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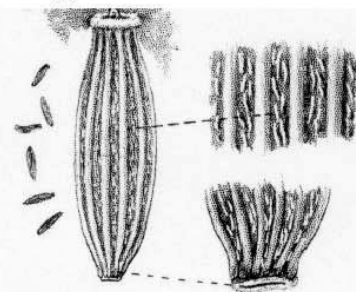
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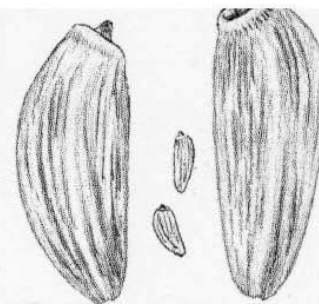
16



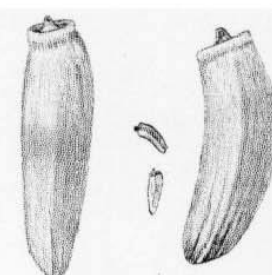
Matricaria inodora



Erechites hieracifolia

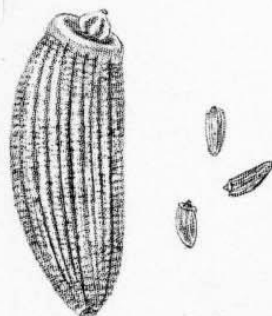


Cirsium lanceolatum



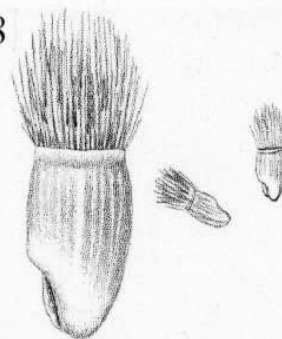
Cirsium arvense

17



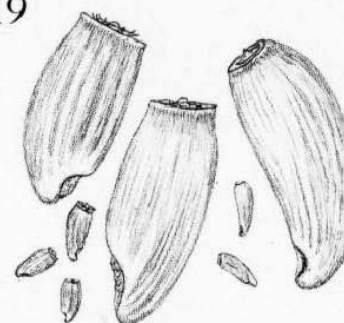
Carduus crispus

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Centaurea cyanus

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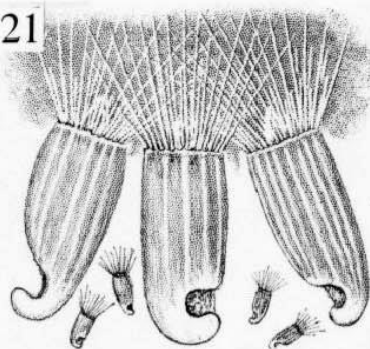
Centaurea jacea

20



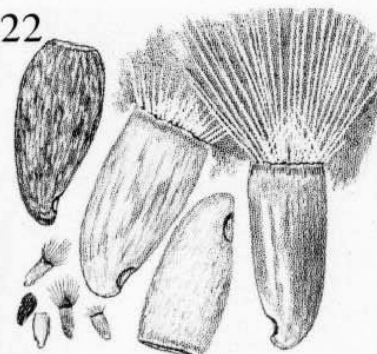
Centaurea calcitrapa

21



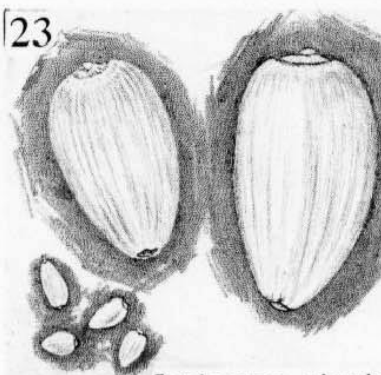
Centaurea melitensis

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Centaurea solstitialis

23



Centaurea picris

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Madia sativa