

CHAPTER 21

SEED CONTROL

Authority

N.J.S.A. 4:8-17.13 et seq., specifically 4:8-17.23 and 17.24.

Source and Effective Date

Chapter 21, Seed Control, was filed and became effective prior to September 1, 1969.

Executive Order No. 66(1978) Expiration Date

Chapter 21, Seed Control, will expire on August 5, 1996.

Chapter Historical Note

Chapter 21, Seed Control was originally filed and became effective prior to September 1, 1969. Amendments were adopted as R.1991 d.400, effective August 5, 1991. See: 23 N.J.R. 1231(a), 23 N.J.R. 2330(a). This rulemaking triggered the EO 66 expiration date.

For specific rulemaking activity see the section annotations.

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SUBCHAPTER 1. LABELING

2:21-1.1 Cereal grain for planting purposes

Cereal grains and other seeds offered for sale from elevators, feed stores, and similar places of business as from car doors, when the vendor either orally, in writing, or in advertising implies that such goods are "suitable for seed," "fit for seed," or similar terms shall be deemed to be offered for sale for planting purposes.

2:21-1.2 Label position not considered conspicuous

The printing of the required label statement will not be considered to be conspicuous as required in the act when it is:

1. On the bottom of the container;
2. Super-imposed on other printing (not to include superimposed labels);
3. Wholly or partially inside of container;
4. In such a position on container wherein it commonly becomes wholly or partially illegible;
5. Blurred, or partially obliterated so as to make reading difficult.

2:21-1.3 Names used for labeling the kind of agricultural seed

In labeling the "kind" of agricultural and vegetable seeds as required in the New Jersey State Seed Law, the names used shall be those specified below for the kinds indicated:

(a) Agricultural seed names include:

- Alfalfa—*Medicago sativa* L.
- Alfileria—*Erodium cicutarium* (L.) L'her.
- Alyceclover—*Alysicarpus vaginalis* (L.) DC.
- Bahiagrass—*Paspalum notatum* Fluegge.
- Barley—*Hordeum vulgare* L.
- Bean, adzuki—*Phaseolus angularis* Willd.

- Bean, field—*Phaseolus vulgaris* L.
 Bean, mung—*Phaseolus aureus* Roxb.
 Bean—(see Velvetbean)
 Beet, field excluding sugar beet—*Beta vulgaris* L.
 Beet, sugar—*Beta vulgaris* L.
 Beggarweed—*Desmodium tortuosum* (Sev.) DC.
 Bentgrass or Bentgrass, colonial—*grostis tenuis* Sibth.
 Bentgrass, creeping—*Agrostis palustris* Huds.
 Bentgrass, velvet—*Agrostis canina* L.
 Bentgrass, bulbous—*Poa bulbosa* L.
 Bluegrass, Canada—*Poa compressa* L.
 Bluegrass, Kentucky—*Poa pratensis* L.
 Bluegrass, Nevada—*Poa nevadensis* Vasey
 Bluegrass, rough—*Poa trivialis* L.
 Bluegrass, Texas—*Poa arachnifera* Torr.
 Bluegrass, wood—*Poa nemoralis* L.
 Bluestem, big—*Andropogon furcatus* Muhl.
 Bluestem, little—*Andropogon scoparius* Michx.
 Bluestem, sand—*Andropogon hallii* Hack.
 Bluestem, yellow—*Andropogon ischaemum* L.
 Brome, field—*Bromus arvensis* L.
 Brome, mountain—*Bromus marginatus* Nees.
 Brome, smooth—*Bromus inermis* Leyss.
 Broomcorn—*Sorghum vulgare* var. *technicum* (Koern.) Jav.
 Buckwheat—*Fagopyrum esculentum* Moench (F. vulgare Hill.)
 Buffalograss—*Buchloe dactyloides* (Nutt.) Engl.
 Bufflegrass—*Pennisetum ciliare* (L.) Link.
 Bur-clover, California—*Medicago hispida* Gaertn.
 Bur-clover, spotted—*Medicago arabica* (L.) DC.
 Burnet, little—*Sanguisorba minor* Scop.
 Buttonclover—*Medicago orbicularis* (L.) All.
 Canarygrass—*Phalaris canariensis* L.
 Canarygrass, reed—*Phalaris arundinacea* L.
 Carpetgrass—*Axonopus affinis* Chase.
 Castorbean—*Ricinus communis* L.
 Chickpea—*Cicer arietinum* L.
 Clover, alsike—*Trifolium hybridum* L.
 Clover, berseem—*Trifolium alexandrinum* L.
 Clover, cluster—*Trifolium glomeratum* L.
 Clover, Crimson—*Trifolium incarnatum* L.
 Clover, large hop—*Trifolium procumbens* L.
 Clover, small hop (suckling)—*Trifolium dubium* Sibth.
 Clover, ladino—*Trifolium repens* L.
 Clover, lappa—*Trifolium lappaceum* L.
 Clover, Persian—*Trifolium resupinatum* L.
 Clover, red or red clover, mammoth—*Trifolium pratense* L.
 Red clover, medium—*Trifolium pratense* L.
 Clover, rose—*Trifolium hirtum* All.
 Clover, strawberry—*Trifolium fragiferum* L.
 Clover, sub (subterranean)—*Trifolium subterraneum* L.
 Clover, white—*Trifolium repens* L.
 Corn, field—*Zea mays* L.
 Corn, pop—*Zea mays* var. *everta* (Sturt.) Bailey
 Cotton—*Gossypium* spp.
 Cowpea—*Vigna sinensis* (Torner) Savi.
 Crested dogtail—*Cynosurus cristatus* L.
 Crotalaria, lance—*Crotalaria lanceolata* E. May.
 Crotalaria, showy—*Crotalaria spectabilis* Roth.
 Crotalaria, slenderleaf—*Crotalaria intermedia* Kotschy.
 Crotalaria, striped—*Crotalaria striata* DC.
 Crotalaria, Sunn—*Crotalaria juncea* L.
 Crownvetch—*Cornilla varia* L.
 Dallisgrass—*Paspalum dilatatum* Poir.
 Dichondra—*Dichondra repens* Forst.
 Dropseed, sand—*Sporobolus cryptandrus* (Torr.) A. Gray
 Emmer—*Triticum dicoccum* Schrank.
 Fescue, chewings—*Festuca rubra* var. *commutata* Gaud.
 Fescue, hair—*Festuca capillata* Lam.
 Fescue, meadow—*Festuca elatior* L.
 Fescue, red—*Festuca rubra* L.
 Fescue, sheep—*Festuca ovina* L.

- Fescue, tall—*Festuca arundinacea* Schreb.
- Flax—*Linum usitatissimum* L.
- Gramma, blue—*Bouteloua gracilis* (H.B.K.) Lag.
- Gramma, slide-oats—*Bouteloua curtipendula* (Michx.) Torr.
- Guineagrass—*Panicum maximum* Jacq.
- Hardinggrass—*Phalaris tuberosa* var. *stenoptera* (Hack.) Hitchc.
- Hemp—*Cannabis sativa* L.
- Indiangrass, yellow—*Sorghastrum nutans* (L.) Nash.
- Indigo, hairy—*Indigofera hirsuta* L.
- Japanese lawngrass—*Zoysia japonica* Steud.
- Kudzu—*Pueraria thunbergiana* (Sieb. and Zucc.) Benth.
- Lespedeza, Korean—*Lespedeza stipulacea* Maxim.
- Lespedeza, sericea or Chinese—*Lespedeza cuneata* (Dumont) D. Don (L. *sericea* (Thunb.) Miq.)
- Lespedeza, Siberian—*Lespedeza hedysaroides* (Pallas) Ricker
- Lespedeza, striate—*Lespedeza striata* (Thunb.) Hook. and Arn.
- Lovegrass, sand—*Eragrostis trichodes* (Nutt.) Wood.
- Lovegrass, weeping—*Eragrostis curvula* (Schrad.) Nees.
- Lupine, blue—*Lupinus angustifolius* L.
- Lupine, white—*Lupinus albus* L.
- Lupine, yellow—*Lupinus luteus* L.
- Manilagrass—*Zoysia matrella* (L.) Merr.
- Meadow foxtail—*Alopecurus pratensis* L.
- Millet, browntop—*Panicum ramosum* L.
- Millet, foxtail—*Setaria italica* (L.) Beauv.
- Millet, Japanese—*Echinochloa crusgalli* var. *frumentacea* (Roxb.) Wight.
- Millet, pearl—*Pennisetum glaucum* (L.) R. Br.
- Millet, proso—*Panicum miliaceum* L.
- Molassesgrass—*Melinis minutiflora* Beauv.
- Mustard, black—*Brassica nigra* Koch.
- Mustard, India—*Brassica juncea* (L.) Coss.
- Mustard, white—*Brassica hirta* Moench.
- Napiergrass—*Pennisetum purpureum* Schumach.
- Oat—*Avena* spp.
- Oatgrass, tall—*Arrhenatherum elatius* (L.) Mert. and Koch.
- Orchardgrass—*Dactylis glomerata* L.
- Panicgrass, blue—*Panicum antidotale* Retz.
- Peanut—*Arachis hypogaea* L.
- Pea, field—*Pisum sativum* var. *arvense* (L.) Poir.
- Poa trivialis—(see Bluegrass, rough.)
- Rape, annual—*Brassica napus* var. *annua* Koch.
- Rape, bird—*Brassica campestris* L.
- Rape, turnip—*Brassica campestris* vars.
- Rape, winter—*Brassica napus* var. *biennis* (Schubl. and Mart.) Reichb.
- Redtop—*Agrostis alba* L.
- Rescuegrass—*Bromus catharticus* Vahl.
- Rhodesgrass—*Chloris gayana* Kunth.
- Rice—*Oryza sativa* L.
- Ricegrass, Indian—*Oryzopsis hymenoides* (Roem. and Schult.) Ricker
- Roughpea—*Lathyrus hirsutus* L.
- Rye—*Secale cereale* L.
- Ryegrass, Annual or Italian—*Lolium multiflorum* Lam.
- Ryegrass, Perennial—*Lolium perenne* L.
- Safflower—*Carthamus tinctorius* L.
- Sainfoin—*Onobrychis viciaefolia* Scop.
- Sesame—*Sesemum indicum* L.
- Sesbania—*Sesbania exaltata* (Raf.) Torr.
- Smilo—*Oryzopsis miliacea* (L.) Benth. and Hook.
- Sorghum—*Sorghum vulgare* Pers.
- Sorghum—Sudangrass hybrids—*Sorghum vulgare* x *Sorghum sudanense*
- Soybean—*Glycine max* (L.) Merrill (Soja max (L.) Piper)
- Spelt—*Triticum spelta* L.
- Sudangrass—*Sorghum sudanense* (Piper) Stapf.
- Sunflower—*Helianthus annuus* L.
- Sweetclover or
- Sweetclover, white—*Melilotus alba* Desr.
- Sweetclover, yellow—*Melilotus officinalis* (L.) Lam.
- Sweet vernalgrass—*Anthoxanthum odoratum* L.

- Switchgrass—*Panicum virgatum* L.
- Timothy—*Phleum pratense* L.
- Trefoil, big—*Lotus uliginosus* Schkuhr.
- Trefoil, birdsfoot—*Lotus corniculatus* L.
- Vaseygrass—*Paspalum urvillei* Steud.
- Veldtgrass—*Ehrharta calycina* J. E. Smith
- Vetch or
- Vetch, common—*Vicia sativa* L.
- Vetch, hairy—*Vicia vilosa* Roth.
- Vetch, Hungarian—*Vicia pannonica* Grantz.
- Vetch, monantha—*Vicia arthiculata* Hornem. (*V. monantha* Desf.)
- Vetch, narrowleaf—*Vicia angustifolia* (L.) Reich.
- Vetch, purple—*Vicia atropurpurea* Desf.
- Vetch, wollypod—*Vicia dasycarpa* Ten.
- Wheat or
- Wheat, common—*Triticum aestivum* L. (*T. Vulgare* Vill.)
- Wheat, club—*Triticum compactum* Host.
- Wheat, durum—*Triticum durum* Desf.
- Wheat, Polish—*Triticum polonicum* L.
- Wheat, poulard—*Triticum turgidum* L.
- Wheatgrass, crested or fairway crested—*Agropyron cristatum* (L.) Gaertn.
- Wheatgrass, crested or standard crested—*Agropyron desertorum* (Fisch.) Schult.
- Wheatgrass, intermediate—*Agropyron intermedium* (Host.) Beauv.
- Wheatgrass, pubescent—*Agropyron tricophorum* (Link.) Richt.
- Wheatgrass, slender—*Agropyron pauciflorum* (Schwein.) Hitchc. (*A. Trachycaulum* Steud.)
- Wheatgrass, tall—*Agropyron elongatum* (Host.) Beauv.
- Wheatgrass, western—*Agropyron smithii* Rydb.
- Wild-rye, Canada—*Elymus canadensis* L.
- Wild-rye, Russian—*Elymus junceus* Fisch.
- (b) Vegetable seed names include:
- Anise—*Pimpinella anisum*
- Artichoke—*Cynara scolymus* L.
- Asparagus—*Asparagus officinalis* L.
- Asparagus bean—*Vigna sesquipedalis* (L.) Fruwirth.
- Basil, sweet—*Ocimum basilicum* L.
- Bean—*Phaseolus vulgaris* L.
- Bean, lima—*Phaseolus lunatus* var. *macrpus* Van Eseltine.
- Bean, runner—*Phaseolus coccineus* L.
- Beet—*Beta vulgaris* L.
- Borage—*Borago officinalis*
- Broadbean—*Vicia faba* L.
- Broccoli—*Brassica oleracea* var. *botrytis* L.
- Brussels sprout—*Brassica oleracea* var. *gemifera* Zenker
- Cabbage—*Brassica oleracea* var. *capitata* L.
- Cantaloupe (see muskmelon)
- Caraway—*Carum carvi* L.
- Cardoon—*Cynara cardunculus* L.
- Carrot—*Daucus carota* L. (cultivated)
- Cauliflower—*Brassica oleracea* var. *botrytis* L.
- Celerica—*Apium graveolens* var. *rapaceum* DC.
- Celery—*Apium graveolens* var. *dulce* (Mill.) Pers.
- Chard, Swiss—*Beta vulgaris* var. *cicla* L.
- Chervil, salad—*Anthiscus cerefolium*
- Chicory—*Cichorium intybus* L.
- Chinese cabbage—*Brassica pekinensis* (Lour.) Rupr.
- Chives—*Allium schoenoprasum*
- Citron-melon—*Citrullus vulgaris* Schrad. var. *citroides* (Bailey)
- Collards—*Brassica oleracea* var. *acephala* DC.
- Coriander—*Coriandrum sativum* L.
- Corn, sweet—*Zea mays* L.
- Cornsalad—*Fetticus*—*Valerianella locusta* var. *olitoria* Pall.
- Cowpea—*Vigna sinensis* (Torner) Savi.
- Cress, garden—*Lepidium sativum* L.
- Cress, upland—*Barbarea verna*
- Cress, water—*Rorippa nasturtium-aquaticum* (L.) Britt. and Rendle.
- Cucumber—*Cucumis sativus* L.
- Dandelion—*Taraxacum officinale* Weber
- Dill—*Anethum graveolens* L.

Eggplant—*Solanum melongena* var. *esculentum* Nees.
 Endive—*Cichorium endivia* L.
 Fennel—*Foeniculum vulgare* Mill.
 Kale—*Brassica oleracea* var. *acephala* DC.
 Kale, Chinese—*Brassica oleracea* var. *alboglabra* (Bailey) Musil.
 Kohlrabi—*Brassica oleracea* var. *gongylodes* L.
 Leek—*Allium porrum* L.
 Lettuce—*Lactuca sativa* L.
 Marjoram, sweet—*Marijorana hortensis* Moench.
 Muskmelon—*Cucumis melo* L.
 Mustard—*Brassica juncea* (L.) Coss.
 Mustard, spinach—*Brassica purpuridis* Bailey
 Okra—*Hibiscus esculentus* L.
 Onion—*Allium cepa* L.
 Onion, Welsh—*Allium fistulosum* L.
 Pak-choi—*Brassica chinensis* L.
 Parsley—*Petroselinum hortense* Hoffm. (*P. Crispum* (Mill.) Nyman.)
 Parsnip—*Pastinaca sativa* L.
 Pea—*Pisum sativum* L.
 Pepper—*Capsicum* spp.
 Pumpkin—*Cucurbita pepo* L., *C. moschata* Duchesne and *C. maxima* Duchesne.
 Radish—*Raphanus sativus* L.
 Rhubarb—*Rheum rhaponticum* L.
 Roquette—*Eruca sativa*
 Rutabaga—*Brassica napus* var. *napobrassica* (L.) Reichb.
 Sage—*Salvia officinalis* L.
 Salsify—*Tragopogon porrifolius* L.
 Savory, summer—*Satureja hortensis*
 Sorrel—*Rumex acetosa* L.
 Soybeans—*Glycine max* (L.) Merrill (*Soja max* (L.) Piper)
 Spinach—*Spinacia oleracea* L.
 Spinach, New Zealand—*Tetragonia expansa* Thunb.
 Squash—*Cucurbita pepo* L., *C. moschata* Duchesne and *C. maxima* Duchesne.
 Thyme—*Thymus vulgaris*

Tomato—*Lycopersicon esculentum* Mill.
 Tomato, husk—*Physalis pubescens* L.
 Turnip—*Brassica rapa* L.
 Watermelon—*Citrullus vulgaris* Schrad.

2:21-1.4 Full name used for variety or strains

When variety or strain names are stated, they shall be used in connection with the full kind name as specified in Section 1.5 of this Chapter, for example: "Alta tall fescue," "Merion Kentucky bluegrass," and "Michinli Chinese cabbage."

2:21-1.5 Names used for fine textured grasses

For lawn seed mixtures, "Fine Textured grasses" for the purpose of labeling under N.J.S.A. 4:8-17.15 of the law are named as follows:

(a) Bentgrasses are named:

1. *Agrostis tenuis* (Colonial);
2. *Agrostis palustris* (Creeping);
3. *Agrostis canina* (Velvet).

(b) Bluegrasses are named:

1. *Poa trivialis*;
2. *Poa pratensis* (Kentucky);
3. *Poa nemoralis* (Wood);
4. *Poa compressa* (Canada).

(c) Fescues are named:

1. *Festuca rubra* var. *commutata* (Chewings);
2. *Festuca rubra* (Red);
3. *Festuca ovina* (Sheep);
4. *Festuca ovina* var. *duriuscula* (Hard).

(d) Ryegrasses are named *Lolium perenne* L. (varieties—NK-100, Norlea, Pelo, Manhattan and Lamora).

(e) "Coarse kinds" (including legumes and ground covers) shall be all kinds not named in this Section, and shall be all varieties, of *Lolium perenne* not named in this Section.

2:21-1.6 Flower seeds labeled

The provision that flower seeds be labeled to show, "The name of the kind and variety or a statement of type and performance characteristics," shall be met in one of the following ways:

(a) For seeds of plants grown primarily for their blooms:

1. If the seeds are of a single name variety, the kind and variety shall be stated, for example—"Marigold, Butterball."

2. If the seeds are of a single type and color for which there is no specific variety name, the type of plant (if significant), and the type and color of bloom shall be indicated, for example—"Scabiosa, Tall, Large Flowered, Double, Pink."

3. If the seeds consist of an assortment or mixture of colors or varieties of a single kind, the kind name, the type of plant (if significant) and the type or types of bloom shall be indicated. In addition, it shall be clearly indicated that the seed is mixed or assorted. An example of labeling such a mixture or assortment is—"Marigold, Dwarf Double French, Mixed Colors."

4. If the seeds consist of an assortment or mixture of kinds, it shall be clearly indicated that the seed is assorted or mixed and the specific use of the assortment or mixture shall be indicated, for example—"Cut Flower Mixture," or "Rock Garden Mixture". Such statements as "Wild Flower Mixture," "General Purpose Mixture," "Wonder Mixture" or any other statement which fails to indicate the specific use of the seed shall not be considered as meeting the requirements of this provision unless the specific use of the mixture is also stated.

(b) For seeds of plants grown for ornamental purposes other than their blooms, the kind and variety shall be stated, or the kind shall be stated together with a descriptive statement concerning the ornamental part of the plant, for example—"Ornamental Gourds, Small Fruited Mixed."

SUBCHAPTER 2. METHODS OF TESTING

2:21-2.1 Methods of testing prescribed by the Association of Official Seed Analysts

Methods used in sampling, inspecting, analyzing, testing, and examining seed and the tolerances used shall be those prescribed by the most recently published "Rules For Testing Seeds" of the Association of Official Seed Analysts.

SUBCHAPTER 3. TREATED SEED

2:21-3.1 Classification of seed treatment substances in accordance with Federal Seed Act

The classification of seed treatment substances shall be the same as they are listed under Section 201.31 of Rules and Regulations under the Federal Seed Act as last published.

SUBCHAPTER 4. NOXIOUS WEED SEEDS

2:21-4.1 Prohibited weed seed

The Prohibited Noxious Weed Seeds shall be the seeds of the following plants:

1. Bindweed—*Convolvulus arvensis* L.;
2. Hedge bindweed—*Convolvulus sepium* L.;
3. Quackgrass—*Agropyron repens* (L.) Beauv.;
4. Canada thistle—*Cirsium arvense* (L.) Scop.;
5. Horse nettle—*Solanum carolinense* L.

2:21-4.2 Restricted weed seed

The Restricted Noxious Weed Seeds shall be the seeds of the following plants:

1. Dodder—*Cuscuta spp.*;
2. Corn cockle—*Agrostemma githago* L.;
3. Wild garlic—*Allium vineale* L.;
4. Wild onion—*Allium canadense* L.;
5. Cheat—*Bromus secalinus* L.;
6. Bermuda grass—*Cynodon dactylon* (L.) Pers.;
7. Johnsongrass, perennial sweet Sudangrass, sorghum alnum and hybrids derived therefrom—*Sorghum spp.*, Perennial.

SUBCHAPTER 5. GERMINATION STANDARDS FOR PLANTING VEGETABLE SEEDS

2:21-5.1 Germination standards for vegetable seeds

Germination standards for vegetable seeds including hard seed shall be those as indicated:

	%
Anise	50
Artichoke	60
Asparagus	70
Asparagus bean	75
Basil, sweet	60
Bean, garden	70
Bean, lima	70
Bean, runner	75
Beet	65
Borage	70
Broadbean	75
Broccoli	75
Brussels sprouts	70
Cabbage	75

Caraway	55
Cardoon	60
Carrot	55
Cauliflower	75
Celeriac	55
Celery	55
Chard, Swiss	65
Chervil	65
Chicory	65
Chinese cabbage	75
Chives	45
Citron	65
Collards	80
Coriander	70
Corn, sweet	75
Cornsalad	70
Cowpea	75
Cress, garden	75
Cress, upland	70
Cress, water	40
Cucumber	80
Dandelion	60
Dill	60
Eggplant	60
Endive	70
Fennel, Florence	60
Fennel, sweet	50
Kale	75
Kale, Chinese	75
Kohlrabi	75
Leek	60
Lettuce	80
Marjoram, sweet	50
Muskmelon	75
Mustard	75
Mustard, spinach	75
Okra	50
Onion	70
Onion, Welsh	70
Pak-choi	75
Parsley	60
Parsnip	60
Pea	80
Pepper	55
Pumpkin	75
Radish	75
Rhubarb	60
Roquette	60
Rutabaga	75
Sage	60
Salsify	75
Savory, summer	55
Sorrel	65
Soybean	75
Spinach	60
Spinach, New Zealand	40
Squash	75
Thyme	50
Tomato	75
Tomato, husk	50
Turnip	80
Watermelon	70

2:21-5.2 Vegetable seeds unfit for planting

Vegetable seeds will be considered to be unfit for planting if the germination percentage obtained in a standard labora-

tory test is less than $\frac{2}{3}$ of the germination standard for the kind in question specified in these rules and regulations.

SUBCHAPTER 6. GERMINATION STANDARDS FOR FLOWER SEEDS

2:21-6.1 Germination standards for flower seeds

Germination standards for flower seeds including hard seed when marked with an asterisk shall be those indicated below:

	%
African daisy— <i>Dimorphotheca aurantiaca</i>	55
Ageratum— <i>Ageratum mexicanum</i>	60
Alyssum— <i>Alyssum compactum</i> , <i>A. Maritimum</i> , <i>A. procumbens</i> , <i>A. saxatile</i>	60
Anemone— <i>Anemone coronaria</i> , <i>A. pulsatilla</i>	55
Angel's trumpet— <i>Datura arborea</i>	60
Arabis— <i>Arabis alpina</i>	60
Aster, China— <i>Callistephus chinensis</i> , except Pompon, Powderpuff, and Princess types	55
Aster, China— <i>Callistephus chinensis</i> , Pompon, Powderpuff and Princess types	50
Aubrietia— <i>Aubrietia deltoidea</i>	45
Balsam— <i>Impatiens balsamina</i>	70
Calendula— <i>Calendula officinalis</i>	65
California poppy— <i>Eschscholtzia californica</i>	60
Calliopsis— <i>Coreopsis bicolor</i> , <i>C. drummondi</i> , <i>C. elegana</i>	65
Campanula:	
Canterbury bells— <i>Campanula medium</i>	60
Cup and Saucer bellflower— <i>Campanula medium calycanthema</i>	60
Carpathian bellflower— <i>Campanula carpatica</i>	50
Peach bellflower— <i>Campanula persicifolia</i>	50
Candytuft, annual— <i>Iberis amara</i> , <i>I. umbellata</i>	65
Candytuft, perennial— <i>Iberis gibraltaria</i> , <i>I. sempervirens</i>	55
* Castor bean— <i>Ricinus communis</i>	60
Cathedral bells— <i>Cobaea scandens</i>	65
Celosia— <i>Celosia argentea</i>	65
Centaurea: Basket flower— <i>Centaurea american</i> , Cornflower— <i>C. cyanus</i> , Dusty Miller— <i>C. candidissima</i> , Royal centauria— <i>C. imperialis</i> , sweet sultan— <i>C. moschata</i> , Velvet centaures— <i>C. gymnocarpa</i>	60
Chinese forget-me-not— <i>Cynoglossum amabile</i>	55
Chrysanthemums, annual— <i>Chrysanthemum carinatum</i> , <i>C. Coronarium</i> , <i>C. segetum</i>	40
Clarkia— <i>Clarkia elegans</i>	65
Cleome— <i>Cleome gigantea</i>	65
Columbine— <i>Aquilegia</i> spp.	50
Coral bells— <i>Heuchera sanguinea</i>	55
Coreopsis, perennial— <i>Coreopsis lanceolata</i>	40
Cosmos: Sensation, Mammoth and Crested types— <i>Cosmos bipinnatus</i> : Klondike type— <i>C. sulphureus</i>	65
Dahlia— <i>Dahlia</i> spp.	55
Delphinium, perennial: Belladonna and Bellamosum types; Cardinal larkspur— <i>Delphinium cardinale</i> ; Chinensis types; Pacific Giant, Gold Medal and other hybrids of <i>D. elatum</i>	55

Dianthus:	%
Carnation— <i>Dianthus caryophyllus</i>	60
China pinks— <i>Dianthus chinensis</i> , <i>Heddewigi</i> , <i>Heddensis</i>	70
Grass pinks— <i>Dianthus plumarius</i>	60
Maiden pinks— <i>Dianthus deltoides</i>	60
Sweet William— <i>Dianthus barbatus</i>	70
Sweet Wivelsfield— <i>Dianthus allwoodi</i>	60
Dracena— <i>Dracena indivisa</i>	55
English daisy— <i>Bellis perennis</i>	55
Foxglove— <i>Digitalis</i> spp.	60
Gaillardia, annual— <i>Gaillardia pulchella</i> , <i>G. picta</i> ; perennial <i>G. grandiflora</i>	45
Geum— <i>Geum</i> spp.	55
Gilia— <i>Gilia</i> spp.	65
Godetia— <i>Godetia amoena</i> , <i>G. grandiflora</i>	65
Gourds: Yellow flowered— <i>Cucurbita pepo</i> : White- flowered— <i>Lagen aria sisceraria</i> ; Dishcloth— <i>Luffa cylindrica</i>	70
Gypsophila: annual baby's breath— <i>Gypsophila ele- gans</i> ; perennial baby's breath— <i>G. paniculata</i> , <i>G. pacifica</i> , <i>G. repens</i>	70
Helichrysum— <i>Helichrysum monstrosum</i>	60
* Hollyhock— <i>Althea rosea</i>	65
Ipomea: Cypress— <i>Ipomea quamoelit</i> ; Moonflow- er— <i>I. noctiflora</i> ; Morning glories, Cardinal clim- ber, Hearts and Honey vine— <i>Ipomea</i> spp.	75
Job's tears— <i>Coix lacrymajobi</i>	70
Kochia— <i>Kochia childei</i>	55
Larkspur, annual— <i>Delphinium ajacis</i>	60
Lantana— <i>Lantana camera</i> , <i>L. hybrida</i>	35
Linaria— <i>Linaria</i> spp.	65
Lobelia, annual— <i>Lobelia crinus</i>	65
Lunaria, annual— <i>Lunaria annua</i>	65
* Lupine— <i>Lupinus</i> spp.	65
Marigold— <i>Tagetes</i> spp.	65
Marvel of Peru— <i>Mirabilis jalapa</i>	60
Mignonette— <i>Reseda odorata</i>	55
Myosotis— <i>Myosotis alpestris</i> , <i>M. oblongata</i> , <i>M. pulas- tris</i>	50
Nasturtium— <i>Tropacolum</i> spp.	60
Nemesia— <i>Nemesia</i> spp.	65
Nemophila— <i>Nemophila insignis</i>	70
Nicotiana— <i>Nicotiana affinis</i> , <i>N. sanderae</i> , <i>N. sylves- tris</i>	65
Nierembergia— <i>Nierembergia</i> spp.	55
Nigella— <i>Nigella damascena</i>	55
Pansy— <i>Viola tricolor</i>	60
Penstemon— <i>Penstemon barbatus</i> , <i>P. grandiflorus</i> , <i>P. Laevigatus</i> , <i>P. pubsecens</i>	60
Petunia— <i>Petunia</i> spp.	45
Phacelia— <i>Phacelia campanularia</i> , <i>P. minor</i> , <i>P. tena- cetifolia</i>	65
Phlox, annual— <i>Phlox drummondii</i> all types and vari- eties	55
Physalis— <i>Physalis</i> spp.	60
Poppy: Shirley poppy— <i>Papaver rhoeas</i> ; Iceland poppy— <i>P. nudicaule</i> ; Oriental poppy— <i>P. orien- tale</i> ; Tulip poppy— <i>P. glaucum</i>	60
Portulaca— <i>Portulaca grandiflora</i>	55
Salpiglossis— <i>Salpiglossis gloxinaeflora</i> , <i>S. sinuata</i>	60
Salvia—Scarlet sage— <i>Salvia solendens</i> : Mealycup sage (blue bedder)— <i>S. Farinacea</i>	50
Saponaria— <i>Saponaria ocyroides</i> , <i>S. vaccaria</i>	60
Scabiosa, annual— <i>Scabiosa atropurpurea</i>	50
Scabiosa, perennial— <i>Scabiosa caucasica</i>	40

Schizanthus— <i>Schizanthus</i> spp.	%
Shasta Daisy— <i>Chrysanthemum maximum</i> , <i>C. leu- canthemum</i>	60
Snapdragon— <i>Antirrhinum</i> spp.	65
Solanum— <i>Solanum</i> spp.	55
Stocks: Common— <i>Mathiola incana</i> ; Evening scent- ed— <i>M. bicornis</i>	60
Sunflower— <i>Helianthus</i> spp.	65
* Sweet pea, annual and perennial other than dwarf bush— <i>Lathyrus odoratus</i> , <i>L. latifolius</i>	75
* Sweet pea, dwarf bush— <i>Lathyrus odoratus</i>	65
Thunbergia— <i>Thunbergia alata</i>	60
Torch flower— <i>Tithonia speciosa</i>	70
Tritoma— <i>Kniphofia</i> spp.	65
Verbena, annual— <i>Verbena hybrida</i>	35
Vinca— <i>Vinca rosea</i>	60
Viola— <i>Viola cornuta</i>	55
Wallflower— <i>Cheiranthus allioni</i>	65
Zinnia (except linearis and creeping)— <i>Zinnia an- gustifolia</i> , <i>Z. elegans</i> , <i>Z. grandiflora</i> , <i>Z. gracillima</i> , <i>Z. haegeana</i> , <i>Z. multiflora</i> , <i>Z. pumilla</i>	65
Zinnia, linearis and creeping— <i>Zinnia linearis</i> , <i>Salvi- talis procumbens</i>	50

2:21-6.2 Mixture of flower seeds; germination standards

A mixture of kinds of flower seeds will be considered to be below standard if the germination of any kind of combination of kinds, constituting 25 per cent or more of the mixture by number is below standard for the kind or kinds involved.

SUBCHAPTER 7. FEES FOR SEED TESTING

2:21-7.1 Free testing for New Jersey residents

Any New Jersey resident will be allowed \$25.00 free testing by the State Seed Laboratory each fiscal year July 1 to June 30.

Amended by R.1991 d.400, effective August 5, 1991.
See: 23 N.J.R. 1231(a), 23 N.J.R. 2330(a).
Increased from \$10.00 to \$25.00 worth of free testing.

2:21-7.2 Charges for testing; seed dealers and conditioners charges

For all samples in excess of \$25.00 and for all samples submitted by seed dealers and conditioners the following charges will be assessed.

Kind of Seed	Quantity of Seed Needed for Purity Analysis	Purity Analysis (including New Jersey State Noxious Weed Seed)		Germination Test
		Exam.)		
Alfalfa	3 ozs.	\$ 6.00		\$6.00
Bentgrasses	2 ozs.	\$15.00		\$8.00
Bermuda grass	2 ozs.	\$12.00		\$7.00
Birdsfoot trefoil	3 ozs.	\$ 7.00		\$6.00
Bluegrasses	2 ozs.	\$15.00		\$8.00
Brome grass	3 ozs.	\$12.00		\$7.00
Buckwheat	2 lbs.	\$ 7.00		\$6.00
Cereals	2 lbs.	\$ 7.00		\$6.00

Kind of Seed	Quantity of Seed Needed for Purity Analysis	Purity Analysis (including New Jersey State Noxious Weed Seed Exam.)		Germination Test
Clovers	3 ozs.	\$ 7.00		\$6.00
Corn, field	2 lbs.	\$ 6.00		\$6.00
Dallis grass	3 ozs.	\$15.00		\$8.00
Deertongue	3 ozs.	\$15.00		\$8.00
Fescues	3 ozs.	\$12.00		\$7.00
Millets	¼ lb.	\$ 7.00		\$7.00
Orchard grass	3 ozs.	\$15.00		\$8.00
Rape	3 ozs.	\$ 7.00		\$6.00
Redtop	2 ozs.	\$15.00		\$8.00
Reed Canary Grass	3 ozs.	\$12.00		\$7.00
Ryegrass inc. fluor.	3 ozs.	\$15.00		
Ryegrass, germination	3 ozs.			\$8.00
Sorghums	½ lb.	\$ 7.00		\$6.00
Soybeans	2 lbs.	\$ 8.00		\$7.00
Sudan Grass	½ lb.	\$ 8.00		\$6.00
Timothy	3 ozs.	\$ 7.00		\$6.00
Vetches	2 lbs.	\$ 7.00		\$6.00
Vegetables				
Beans, garden	2 lbs.	\$ 6.00		\$7.00
Beans, Lima	2 lbs.	\$ 6.00		\$8.00
Peas	2 lbs.	\$ 6.00		\$7.00
Sweet corn	2 lbs.	\$ 6.00		\$7.00
Other vegetables	¼ lb.	\$ 6.00		\$6.00
Flowers				
		\$ 7.00		
Trees and shrubs				
		\$ 8.00		\$9.00

Amended by R.1991 d.400, effective August 5, 1991.
See: 23 N.J.R. 1231(a), 23 N.J.R. 2330(a).
Increased fees for testing.

2:21-7.3 Charges for seed mixtures and other tests

(a) Purity charges for seed mixtures shall be the fee for the single component with the highest charge plus one-half the fees charged for each other component. Germination charges shall be the same as for individual kinds.

(b) Germination only charges for seed mixtures shall be one-half the purity charge for the component with the highest fee for separation plus the regular germination fee for each component.

(c) Charges for noxious weed examinations for quantities specified in Association of Official Seed Analysts Rules for Testing Seed are as follows:

1. New Jersey noxious weed examination\$ 5.00
2. New Jersey noxious weed examination plus undesirable grasses examination.....\$12.00
3. All states noxious weed (except HA and AK)\$10.00
4. All states noxious weed (except HA and AK) with undesirable grasses\$17.00

(d) The charge for all-contaminants check on Kentucky bluegrass, 25 grams includes 10 gram check for Poa annua, shall be \$30.00

(e) Charges for vigor tests are as follows:

1. Cold test\$10.00
2. Accelerated aging including regular germination test\$15.00
3. Tetrazolium\$12.00

(f) Charges for other procedures such as: identification, special procedures, uncleaned samples and flower seed purities shall be \$15.00/hour.

(g) The rush surcharge for immediate germination shall be \$4.00.

(h) For kinds not listed, the charge will be the same as for a similar kind. Any special test will be charged according to time consumed.

(i) At the discretion of the State Seed Analyst, fees for testing may be waived for Federal or State agencies, local municipalities and park commissions.

Amended by R.1991 d.400, effective August 5, 1991.
See: 23 N.J.R. 1231(a), 23 N.J.R. 2330(a).

Established fees to be charged for newly developed tests; new (a)-(g); (c)-(d) recodified as (h)-(i).

2:21-7.4 Fees due; method of payment

(a) Fees are due when a sample is accepted for testing. Acknowledgements of receipt of samples are accompanied by a statement of charges and it is expected that payment will be made upon receipt of statement.

(b) Additional tests shall not be made for persons who have not paid for previous testing services promptly.

Amended by R.1991 d.400, effective August 5, 1991.
See: 23 N.J.R. 1231(a), 23 N.J.R. 2330(a).

Grammatical changes only.

SUBCHAPTER 8. PROCEDURES FOR SUBMITTING SAMPLES

2:21-8.1 Samples submitted before February 1

(a) Samples representing seed to be planted in the spring, should be submitted to the seed laboratory after September but before February 1.

(b) After January the laboratory must give top priority to a heavy load of official samples and handles service samples only as time permits.

2:21-8.2 Rejecting samples

Since the quota of service samples must be limited to the time and space available, the right must be reserved to reject samples on the basis of when they are submitted.

2:21-8.3 Samples to be representative

(a) Seed test reports apply only to the sample submitted.

(b) Samples should be representative of the lots from which they are taken.

(c) This responsibility lies with the individuals submitting the samples.

2:21-8.4 Relevant information on samples

(a) Samples should bear the name of the seed as well as the name and address of the sender.

(b) The kind of test desired should be stated and also whether the seed is for sale or the test is for guidance in planting.

2:21-8.5 Requesting test on seed previously analyzed

When requesting a test on seed that has been previously analyzed, a copy of this analysis should accompany the sample as well as the reason for requesting a new analysis.

2:21-8.6 Minimum seeds required for testing

At least 800 seeds should be submitted for a germination evaluation. A standard germination test requires 400 seeds and another 400 seeds are needed in the event that a retest is necessary.

2:21-8.7 Noxious weed examination included in purity analysis

A New Jersey State noxious weed seed examination is conducted as part of the purity analysis.