

**ARTICLE 74-02  
SEED**

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**CHAPTER 74-02-01  
SEED REPRESENTATION AND LABELING**

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**74-02-01-01. Seed testing fees - Sample size.**

Repealed effective May 1, 2001.

**74-02-01-02. Hermetically sealed containers.**

A container will be considered hermetically sealed if all of the following conditions have been met:

1. The seed was packaged within nine months after harvest.
2. The container used does not allow water vapor penetration through any wall, including the seals, greater than five-hundredths grams of water per twenty-four hours per one hundred square inches [645.16 square centimeters] of surface at one hundred degrees Fahrenheit [37.78 degrees Celsius] with a relative humidity on one side of ninety percent and on the other side of zero percent. Water vapor penetration shall be measured as: gram water / twenty-four hour / one hundred degrees Fahrenheit / ninety percent relative humidity versus zero percent relative humidity.
3. The seed in the container does not exceed the percentage of moisture, on a wet basis, as listed in section 201-36c-c of the rules and regulations of the Federal Seed Act.
4. The container is conspicuously labeled in not less than nine point type to indicate:
  - a. That the container is hermetically sealed;
  - b. That the seed has been preconditioned as to moisture content; and
  - c. The calendar month and year in which the germination test was completed.
5. The percentage of germination of vegetable seed at the time of packaging was equal to or above the standards in section 201.31 of the rules and regulations of the Federal Seed Act which pertains to germination standards for vegetable seeds.

**History:** Amended effective January 2, 2006.

**General Authority:** NDCC 4.1-52-10

**Law Implemented:** NDCC 4.1-53-15, 4.1-53-16, 4.1-53-27, 4.1-53-52

**74-02-01-03. Flower seed labeling requirements.**

1. Labeling kind and variety or type and performance characteristics of flower seeds. The requirements of North Dakota Century Code section 4.1-53-29 specifying that flower seeds shall be labeled with the name of the kind and variety or a statement of type and performance characteristics as prescribed in the rules and regulations promulgated under North Dakota Century Code section 4.1-53-29 shall be met as follows:
  - a. For the seeds of plants grown primarily for their blooms:
    - (1) If the seeds are of a single named 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 paragraph 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".
2. Kinds of flower seeds subject to germination labeling requirements and germination standards for flower seeds. The kinds of flower seeds listed below are those for which standard testing procedures have been prescribed and which are therefore required to be labeled in accordance with the germination labeling provisions of North Dakota Century Code section 4.1-53-29. The percentage listed opposite each kind is the germination standard for that kind. For the kinds marked with an asterisk, this percentage is the total of percentage germination and percentage hard seed. For other kinds, it is the percentage germination.

Kind	Percent
African daisy - <i>dimorphotheca aurantiaca</i> .....	55
Ageratum - <i>ageratum mexicanum</i> .....	60
Alyssum - <i>alyssum compactum</i> , <i>alyssum maritimum</i> , <i>alyssum procumbens</i> , <i>alyssum saxatile</i> .....	60
Anemone - <i>anemone coronaria</i> , <i>anemone 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 - aubrietia deltoides .....	45
Balsam - impatiens balsamina .....	70
Calendula - calendula officinalis .....	65
California poppy - eschscholtzia californica .....	60
Calliopsis - coreopsis bicolor, coreopsis drummondii, coreopsis elegans .....	65
Campanula:	
Canterbury bells - campanula medium .....	60
Cup and saucer bellflower - campanula medium calycanthema .....	60
Carpathian bellflower - campanula carpatica .....	50
Peach bellflower - campanula persicifolia .....	50
Candytuft, annual - iberis amara, iberis umbellata....	65
Candytuft, perennial - iberis gibraltarica, iberis sempervirens .....	55
Castor bean - ricinus communis .....	60
Cathedral bells - cobaea scandens .....	65
Celosia - celosia argentea .....	65
Centaurea: basket flower - centaurea americana, cornflower, centaurea cyanus, Dusty miller - centaurea candidissima, royal centaurea - centaurea imperialis Sweet sultan - centaurea moschata, velvet centaurea - centaurea gymnocarpa .....	60
Chinese forget-me-not - cynoglossum amabile .....	55
Chrysanthemum, annual - chrysanthemum carinatum, chrysanthemum coronarium, chrysanthemum segetum ....	40
Clarkia - clarkia elegans .....	65
Cleome - cleome gigantea .....	65
Columbine - aquilegia species .....	50
Coral bells - heuchera sanguinea .....	55
Coreopsis, perennial - coreopsis lanceolata .....	40
Cosmos: sensation, mammoth and crested types - cosmos bipinnatus: Klondyke type - cosmos sulphureus	65
Dahlia - dahlis species .....	55
Delphinium, perennial: belladonna and bellamosum types; cardinal larkspur - delphinium cardinale; chinensis types; Pacific giant, gold medal and other hybrids of delphinium elatum .....	55
Dianthus:	
Carnation - dianthus caryophyllus .....	60
China pinks - dianthus chinensis, heddewigi, heddensis .....	70
Grass pinks - dianthus plumarius .....	60
Maiden pinks - dianthus deltoides .....	60
Sweet william - dianthus barbatus .....	70
Sweet wivelsfield - dianthus allwoodi .....	60
Dracaena - dracaena indivisa .....	55
English daisy - bellis perennis .....	55
Foxglove - digitalis species .....	60
Gaillardia, annual - gaillardia pulchella, gaillardia picta; perennial - gaillardia grandiflora .....	45

Geum - geum species .....	55
Gilia - gilia species .....	65
Godetia - godetia amoena, godetia grandiflora .....	65
Gourds: yellow flowered - cucurbita pepo; white flowered - lagenaria sisceraria; dishcloth - luffa cylindrica .....	70
Gypsophila: annual baby's breath - gypsophila elegans; perennial baby's breath - gypsophila paniculata, gypsophila pacifica, gypsophila repens .....	70
Helichrysum - helichrysum monstosum .....	60
Hollyhock - althea rosea .....	65
Ipomoea: cypress vine - ipomoea quamoclit; moonflower - ipomoea noctiflora; morning glories, cardinal climber, hearts and honey vine - ipomoea species .....	75
Job's tears - coix lacrymajobi .....	70
Kochia - kochia childsii .....	55
Larkspur, annual - delphinium ajacis .....	60
Lantana - lantana camara, lantana hybrida .....	35
Linaria - linaria species .....	65
Lobelia, annual - lobelia erinus .....	65
Lunaria, annual - lunaria annua .....	65
Lupine - lupinus species .....	65
Marigold - tagetes species .....	65
Marvel of Peru - mirabilis jalapa .....	60
Mignonette - reseda odorata .....	55
Myosotis - myosotis alpestris, myosotis oblongata, myosotis palustris .....	50
Nasturtium - tropaeolum species .....	60
Nemesia - nemesia species .....	65
Nemophila - nemophila insignis .....	70
Nicotiana - nicotiana affinis, nicotiana sanderae, nicotiana glauca .....	65
Nierembergia - nierembergia species .....	55
Nigella - nigella damascena .....	55
Pansy - viola tricolor .....	60
Penstemon - penstemon barbatus, penstemon grandiflorus, penstemon laevigatus, penstemon pupescens .....	60
Petunia - petunia species .....	45
Phacelia - phacelia campanularia, phacelia minor, phacelia tanacetifolia .....	65
Phlox, annual - phlox drummondii all types and varieties .....	55
Physalis - physalis species .....	60
Poppy: shirley poppy - papaver rhoeas; Iceland poppy - papaver nudicaule; oriental poppy - papaver orientalis; tulip poppy - papaver glaucum .....	60
Portulaca - portulaca grandiflora .....	55
Salpiglossis - salpiglossis gloxinaeflora, salpiglossis sinuata .....	60
Salvia - scarlet sage - salvia splendens; mealycup sage (blue bedder) - salvia farinacea .....	50
Saponaria - saponaria ocymoides, saponaria vaccaria .....	60
Scabiosa, annual - scabiosa atropurpurea .....	50

Scabiosa, perennial - scabiosa caucasica .....	40
Schizanthus - schizanthus species .....	60
Shasta daisy - chrysanthemum maximum, chrysanthemum leucanthemum .....	65
Snapdragon - antirrhinum species .....	55
Solanum - solanum species .....	60
Stocks: common - mathiola incana; evening scented - mathiola bicornis .....	65
Sunflower - helianthus species .....	65
Sweet pea, annual and perennial other than dwarf bush - lathyrus odoratus, lathyrus latifolius .....	75
Sweet pea, dwarf bush - lathyrus odoratus .....	65
Thunbergia - thunbergia alata .....	60
Torch flower - tithonia speciosa .....	70
Tritoma - kniphofia species .....	65
Verbena, annual - verbena hybrida .....	35
Vinca - vinca rosea .....	60
Viola - viola cornuta .....	55
Wallflower - cheiranthus allioni .....	65
Zinnia (except linearis and creeping) - zinnia augustifolla, zinnia elegans, zinnia grandiflora, zinnia gracillima, zinnia haegeana, zinnia multiflora, zinnia pumila .....	65
Zinnia, linearis and creeping - zinnia linearis, sanvitalia procumbens .....	50

A mixture of kinds of flower seeds will be considered to be below standard if the germination of any kind or combination of kinds constituting twenty-five percent or more of the mixture by number is below standard for the kind or kinds involved.

**History:** Amended effective October 1, 2024.

**General Authority:** NDCC 4.1-52-10

**Law Implemented:** NDCC 4.1-53-28, 4.1-53-29, 4.1-53-30

#### **74-02-01-04. Sale and exchange of seed.**

The exemptions found in North Dakota Century Code sections 4.1-53-61 and 4.1-53-57 do not apply to a farmer who sells only the farmer's own seed which has been publicly advertised for sale. For the purposes of this section, "publicly advertised for sale" includes advertising in newspapers, periodicals, pamphlets, or posters, by radio or television, or in any other media. For the purposes of this section and North Dakota Century Code sections 4.1-53-61 and 4.1-53-57, "sells only the farmer's own seed" includes any disposition of seed or transaction whereby the farmer sells, exchanges, or trades the farmer's own seed. The exemptions found in North Dakota Century Code sections 4.1-53-61 and 4.1-53-57 also do not apply to any farmer who is engaged in the seed business. For the purposes of this section, "engaged in the seed business" includes the sale of any seed by a person which seed was not grown on that person's own farm, publicly advertising for sale any seed, or making use of any third party as an agent or broker to bring a buyer and seller of seed together for purposes of sale, exchange, or trade.

The exemptions found in North Dakota Century Code sections 4.1-53-61 and 4.1-53-57 do not apply to seed for which a certificate of plant variety protection has been applied for or issued, except regarding the replanting of seed on the farmer's own farm. In the absence of contractual obligations between the variety owner and a first purchaser, a farmer may replant seed varieties protected by plant variety protection for an indeterminate length of time provided the exemptions listed in North Dakota Century Code sections 4.1-53-61 and 4.1-53-57 are complied with in full.

**History:** Amended effective May 1, 1988; January 2, 2006; October 1, 2024.

**General Authority:** NDCC 4.1-52-10

**Law Implemented:** NDCC 4.1-53-57(4), 4.1-53-61

**74-02-01-05. Labeling of registered and certified seed brought into North Dakota.**

Repealed effective December 18, 1989.

**74-02-01-06. Clarification of pure live seed and how it pertains to germination.**

"Pure live seed" means the product of the percentage of germination plus hard seed and the percentage of pure seed divided by one hundred.

$$\text{Pure live seed} = \frac{\text{Purity} \times \text{germination}}{100}$$

**History:** Effective December 18, 1989.

**General Authority:** NDCC 4.1-52-10

**Law Implemented:** NDCC 4.1-53-13, 4.1-53-16

**74-02-01-07. Rules for affidavit of analysis for bagged agricultural seed.**

Repealed effective January 2, 2006.