12 KAR 1:170. Germination standards for flower seed.

RELATES TO: KRS 250.081(1)(c)9

STATUTORY AUTHORITY: KRS 250.081

CERTIFICATION STATEMENT:

NECESSITY, FUNCTION, AND CONFORMITY: KRS 250.081(1)(c)9 requires the director to secure the efficient enforcement of the provisions of KRS 250.021 through 250.111. This administrative regulation establishes standards for flower seed and to list those kinds for which standard testing procedures are established.

Section 1. Flower Seed Standards.

(1) The kinds of flower seed listed in the table established in this subsection shall be those for which standard testing procedures have been established. Common names are listed first, followed by Latin names. The percentage listed opposite each kind is the germination standard for that kind. For the kinds marked with an asterisk, the percentage is the total of percentage germination and percentage hard seed. For other kinds, it is the percentage germination.

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| Kind | Germination % |
| Archillea (The Pearl) - Achillea ptarmica | 50 |
| African daisy - Dimorphotheca aurantiaca | 55 |
| African violet - Saintpaulia spp. | 30 |
| Ageratum - Ageratum mexicanum | 60 |
| Agrostemma (rose campion) - Agrostemma coronaria | 65 |
| Alyssum - Alyssum compactum, A. maritimum, A. procumbens, and A. saxatile | 60 |
| Amaranthus - Amaranthus spp. | 65 |
| Anagalis (Primpernel) - Anagalis arvensis, A. coerulia, and A. grandiflora | 60 |
| Anemone - Anemone coronaria, and A. pulsatilla | 55 |
| Angel's trumpet - Datura arborea | 60 |
| Arabis - Arabis alpina | 60 |
| Arctotis (African lilac daisy) - Arctotis grandis | 45 |
| Armeria - Armeria formosa | 55 |
| Asparagus, Fern - Asparagus plumosus | 50 |
| Asparagus, Sprenger - Asparagus sprengeri | 55 |
| Aster, China - Callistephus chinensis; except Pompon, Powderpuff, and Princess types | 55 |
| Aster, China - Callistephus chinensis; Pompon, Powderpuff, and Princess types | 50 |
| Aubretia - Aubretia deltoides | 45 |
| Baby Smilax - Aparagus asparagoides | 25 |
| Balsam - Impatiens balsamina | 70 |
| Begonia - (Begonia fibrous rooted) | 60 |
| Begonia - (Begonia tuberous rooted) | 50 |
| Bells of Ireland - Molucella laevis | 60 |
| Brachycome (Swan River daisy) - Brachycome iberidifolia | 60 |
| Browallia - Browallia elata and B. speciosa | 65 |
| Bupthalum (Sunwheel) - Buphthalum salicifolium | 60 |
| Calceolaria - Calceolaria spp. | 60 |
| Calendula - Calendula officinalis | 65 |
| California poppy - Eschscholtzia californica | 60 |
| Calliopsis - Coreopsis bicolor, C. drummondi, and C. elegans | 65 |
| Campulana: |   |
| 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, and I. umbellata | 65 |
| Candytuft, Perennial - Iberis gibraltarica, and I. sempervirens | 55 |
| \*Castor bean - Ricinus communis | 60 |
| Cathedral bells - Cobaea scandens | 65 |
| Celosia - Celosia argentea | 65 |
| Centaurea: Basket flower - Centaurea americana, Cornflower - C. cyanus, Dusty miller - C. candidissima, Royal Centaurea - C. imperialis, Sweet sultan - C. moschata, and Velvet Cantaurea - C. gymnocarpa | 60 |
| Cerastium (Snow-in-summer) - Cerastium biebersteini and C. tomentosum | 65 |
| Chinese forget-me-not - Cynoglossum amabile | 55 |
| Chrysanthemum, Annual - Chrysanthmum carinatum, C. coronarium, and C. segetum | 40 |
| Cineraria - Senecio cruentus | 60 |
| Clarkia - Clarkia elegans | 65 |
| Cleome - Cleome gigantea | 65 |
| Coleus - Coleus blumei | 65 |
| Columbine - Aquilegia spp. | 50 |
| Coral bells - Heuchera sanguinea | 55 |
| Coreopsis, Perennial - Coreopsis lanceolata | 40 |
| Corn, Ornamental - Zea mays | 75 |
| Cosmos:Sensation, Mammoth, and Crested types - Cosmos bipinnatus; and Klondyke type - C. sulphureau |  65 |
| Crossandra - Crossandra infundibuliformis | 50 |
| Dahlia - Dahlia spp. | 55 |
| Daylily - Hemerocallis spp. | 45 |
| Delphinium, Perennial: Belladonna and Bellamosum types; Cardinal larkspur - Delphinium cardinale; Chinensis types; and Pacific giant, Gold medal, and other hybrids of D. elatum | 55 |
| Dianthus: |   |
| Carnation - Dianthus caryophyllus | 60 |
| China pinks - Dianthus chinensis, D. heddewigi, and D. heddensis | 70 |
| Grass pinks - Dianthus plumarius | 60 |
| Maiden pinks - Dianthus deltiodes | 60 |
| Sweet William - Dianthus barbatus | 70 |
| Sweet Wivelsfield - Dianthus allwoodi | 60 |
| Didiscus (Blue lace flower) - Didiscus coerulea | 65 |
| Doronicum (Leopard's bane) - Doronicum caucasicum | 60 |
| Dracaena - Dracaena indivisa | 55 |
| Dragon tree - Dracaena draco | 40 |
| English daisy - Bellis perennis | 55 |
| Flax: |   |
| Golden flax - Linum flavum, Flowering flax - L. grandiflorum, and Perennial flax - L. perenne | 60 |
| Flowering maple - Abutilon spp. | 35 |
| Foxglove - Digitalis spp. | 60 |
| Gaillardia, Annual - Gaillardia pulchella and G. picta | 45 |
| Gaillardia, Perennial - G. grandiflora | 45 |
| Gerbera (transvaal daisy) - Gerbera Jamesoni | 60 |
| Geum - Geum spp. | 55 |
| Gilia - Gilia spp. | 65 |
| Glosiosa daisy (rudbeckia) - Echinacea purpurea and Rudbeckia hirta | 60 |
| Gloxinia - Sinningia speciosa | 40 |
| Godetia - Godetia amoena and G. grandiflora | 65 |
| Gourds: |   |
| Yellow flowered - Cucurbita pepo, White flowered - Lagenaria sisceraria, and Dishcloth - Luffa cylindrica | 70 |
| Gypsohilia: |   |
| Annual baby's breath - Gypsophila elegans; and Perennial baby's breath - G. paniculata, G. pacifica, and G. repens | 70 |
| Helenium - Helenium autumnale | 40 |
| Helichrysum - Helichrysum monstrosum | 60 |
| Heliopsis - Heliopsis scabra | 55 |
| Heliotrope - Heliotropium spp. | 35 |
| Helipterum (Acroclinium) - Helipterum roseum | 60 |
| Hesperis (Sweet rocket) - Hesperis matronalis | 65 |
| \*Hollyhock - Althea rosea | 65 |
| Hunnemania (Mexican tulip poppy) - Hunnemania fumariaefolia | 60 |
| \*Hyacinth bean - Dolichos lablab | 70 |
| Impatiens - Impatiens holstii and I. sultani | 55 |
| \*Ipomea: |   |
| Cypress vine - Ipomea quamoclit; Moonflower - I. Noctiflora; and Morning glories, Cardinal climber, Hearts and Honey vine - Ipomea spp. | 75 |
| Jerusalem-cross (Maltese cross) - Lychnis chalcedonica | 70 |
| Job's tears - Coix lacrymajobi | 70 |
| Kochia - Kochia childsi | 55 |
| Larkspur, Annual - Delphinium ajacis | 60 |
| Lantana - Lantana camara, L. hybrida | 35 |
| Lilium (Regal lily) - Lilium regale | 50 |
| Linaria - Linaria spp. | 65 |
| Lobelia, Annual - Lobellia erinus | 65 |
| Lunaria, Annual-Lunaria annua | 65 |
| \*Lupine - Lupinus spp. | 65 |
| Marigold - Tagetes spp. | 65 |
| Marvel of Peru - Mirabilis jalapa | 60 |
| Matricaria (Feverfew) - Matricaria spp. | 60 |
| Mignonette - Reseda odorata | 55 |
| Myosotis - Myosotis alpestris, M. oblongata, and M. palustris | 50 |
| Nasturtium - Tropaeolum spp. | 60 |
| Nemesia - Nemesia spp. | 65 |
| Nemophila - Nemophila insignis | 70 |
| Nemophila, Spotted - Nemophila maculata | 60 |
| Nicotiana - Nicotiana affinis, N. sanderae, and N. sylvestris | 65 |
| Nierembergia - Nirembergia spp. | 55 |
| Nigella - Nigella damascena | 55 |
| Pansy - Viola tricolor | 60 |
| Penstemon - Penstemon barbatus, P. grandflorus, P. laevigatus, and P. pubescens | 60 |
| Petunia - Petunia spp. | 45 |
| Phacelia - Phacelia campanularia, P. minor, and P. tanacetifolia | 65 |
| Phlox, Annual - Phlox drummondi (all types and varieties) | 55 |
| Physalis - Physalis spp. | 60 |
| Platycodon (Balloon flower) - Platycodon grandiflorum | 60 |
| Plumbago, Cape - Plumbago capensis | 50 |
| Ponytail - Beaucarnea recurvata | 40 |
| Poppy: |   |
| Shirley poppy - Papaver rhoeas, Iceland poppy - Papaver nudicaule, Oriental poppy - P. orientale, and Tulip poppy - P. glaucum | 60 |
| Portulace - Portulaca grandiflora | 55 |
| Primula (primrose) - Primula spp. | 50 |
| Pyrethrum (painted daisy) - Pyrethrum coccineum | 60 |
| Salpiglossis - Salpiglossis gloxinaeflora and S. sinuata | 60 |
| Salvia: |   |
| Scarlet sage - Salvia splendens, and Mealycup sage (Blue bedder) - Salvia farinacea | 50 |
| Saponaria - Saponaria ocymoides and S. vaccaria | 60 |
| Scabiosa, Annual - Scaboisa atropurpurea | 50 |
| Scabiosa, Perennial - Scaboisa caucasica | 40 |
| Schizanthus - Schizanthus spp. | 60 |
| \*Sensitive plant (mimosa) - Mimosa pudica | 65 |
| Shasta daisy - Chrysanthemum maximum and C. leucanthemum | 65 |
| Silk oak - Grevillea robusta | 25 |
| Snapdragon - Antirrhinum spp. | 55 |
| Solanum - Solanum spp. | 60 |
| Statice - Statice sinuata and S. suworonii (flower heads) | 50 |
| Stocks: |   |
| Common - Mathiola incana and Evening scented - Mathiola bicornis | 65 |
| Sunflower - Helianthus spp. | 70 |
| Sunrose - Helianthemum spp. | 30 |
| \*Sweet pea, Annual and Perennial other than dwarf bush - Lathyrus odoratus and L. latifolius | 75 |
| \*Sweet pea, Dwarf bush - Lathyrus odoratus | 65 |
| Tahoka daisy - Machaeanthera tanacetifolia | 60 |
| Thunbergia - Thunbergia alata | 60 |
| Torch flower - Tithonia speciosa | 70 |
| Torenia (Wishbone flower) - Torenia fournieri | 70 |
| Tritoma - Kniphofia spp. | 65 |
| Verbena, Annual - Verbena hybrida | 35 |
| Vinca - Vinca rosea | 60 |
| Viola - Viola cornuta | 55 |
| Virginian stocks - Malcolmia maritima | 65 |
| Wallflower - Cheiranthus allioni | 65 |
| Yucca (Adam's needle) - Yucca filamentosa | 50 |
| Zinna (except Linearis and Creeping) Zinnia angustifolia, Z. elegans, Z. grandiflora, Z. gracillima, Z. haegeana, Z. multiflora, and Z. pumila | 65 |
| Zinnia, Linearis and Creeping - Zinnia linearis and Sanvitaila procumbens | 50 |
| All other kinds | 50 |

(2) A mixture of kinds of flower seed shall be considered to be below the standard if the germination of any kind or combination of kinds constituting twenty-five (25) percent or more of the mixture by number is below standard for the kind or kinds involved.

(20 Ky.R. 3332; eff. 8-24-1994; 47 Ky.R. 103, 702; eff. 11-18-2020.)