



Ohio Administrative Code

Rule 901:5-27-08 Flower seed minimum germination standards.

Effective: September 21, 2014

The minimum germination standards for seeds offered for sale in Ohio are:

Kind of flower seed	minimum per cent germination
Archillea (the Pearl) - <i>Achillea ptarmica</i>	50
African Daisy - <i>Dimorphotheca aurantiaca</i>	55
African Violet - <i>Saintpaulia</i> spp	30
Ageratum - <i>Ageratum mexicanum</i>	60
Agrostemma (rose campion) - <i>Agrostemma coronaria</i>	65
Alyssum - <i>Alyssum compactum</i> , <i>A. maritimum</i> , <i>A. procumbens</i> <i>A. saxatile</i>	60
Amaranthus - <i>Amaranthus</i> spp	65
Anagalis (primpernel) - <i>A. arvensis</i> , <i>A. coerulea</i> , <i>A. grandiflora</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
Arctotis (African lilac daisy) - <i>Arctotis grandis</i>	45
Armeria - <i>Armeria formosa</i>	55
Asparagus, fern - <i>Asparagus plumosus</i>	50
Asparagus, sprenger, <i>Asparagus sprengeri</i>	55
Aster, China - <i>Callistephus chinensis</i> ; except Pompon, Powderpuff, & Princess types	55
Aster, China - <i>Callistephus chinensis</i> ; Pompon, Powderpuff, & Princess types	50
Aubretia - <i>Aubretia deltoides</i>	45
Baby Smilax - <i>Aparagus asparagoides</i>	25
Balsam - <i>Impatiens balsamina</i>	70
Begonia - (<i>Begonia</i> fibrous rooted)	60
Begonia - (<i>Begonia</i> tuberous rooted)	50



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Bells of Ireland - <i>Molucella laevis</i>	60
Brachycome (swan river daisy) - <i>Brachycome iberidifolia</i>	60
Browallia - <i>Browallia elata</i> and <i>B. speciosa</i>	65
Bupthalam (sunwheel) - <i>Bupthalam salicifolium</i>	60
Calceolaria - <i>Calceolaria</i> spp	60
Calendula - <i>Calendula officinalis</i>	65
California Poppy - <i>Eschscholtzia californica</i>	60
Calliopsis - <i>Coreopsis bicolor</i> , <i>C. drummondii</i> , <i>C. elegans</i>	65
Campanula: Canterbury Bells - <i>Campanula medium</i>	60
Campanula: Cup and Saucer Bellflower - <i>Campanula medium calycanthema</i>	60
Campanula: Carpathian Bellflower - <i>Campanula carpatica</i>	50
Campanula: Peach Bellflower - <i>Campanula persicifolia</i>	50
Candytuft, annual - <i>Iberis amara</i> , <i>I. umbellata</i>	65
Candytuft, perennial - <i>Iberis gibraltarica</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>C. americana</i> ; Cornflower - <i>C. cyanus</i> ;	60
Centaurea: Dusty Miller - <i>C. candidissima</i> , Royal Centaurea - <i>C. imperialis</i> ; Sweet Sultan - <i>C. moschata</i> ; Velvet Centaurea - <i>C. gymnocarpa</i>	60
Cerasium (snow-in-summer) <i>Cerastium biebersteini</i> and <i>C. tomentosum</i>	65
Chinese Forget-me-not - <i>Cynoglossum amabile</i> .	55
Chrysanthemum, annual - <i>Chrysanthemum carinatum</i> , <i>C. coronarium</i> , <i>C. cineraria</i> - <i>Senecio cruentus</i>	60
Clarkia - <i>Clarkia elegans</i>	65
Cleome - <i>Cleome gigantea</i>	65
Coleus - <i>Coleus blumei</i>	65



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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; 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; Pacific Giant, Gold Medal &.other hybrids of D. elatum.	55
Dianthus: Carnation - D.caryophyllus	60
Dianthus: China Pinks - D. chinensis, heddewigi, heddensis	70
Dianthus: Grass Pinks - D. plumarius	60
Dianthus: Maiden Pinks - D.deltoides	60
Dianthus: Sweet William - D. barbatus	70
Dianthus: Sweet Wivelsfield - D. 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. randiflorum; Perennial flax, L. perenne	60
Flowering Maple - Abutilon spp	35
Foxglove - Digitalis spp	60
Gaillardia, annual - Gaillardia pulchella; G. picta; Perennial - G. grandiflora	45
Gerbera (transvaal daisy) - Gerbera jamesoni	60
Geum - Geum spp	55
Gilia - Gilia spp	65



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Glosiosa daisy (rudbeckia) - Echinacea purpurea and Rudbeckia hirta	60
Gloxinia - (Sinningia speciosa)	40
Godetia - Godetia amoena, G. grandiflora	65
Gourds: Yellow Flowered - Cucurbita pepo; White Flowered - Lagenaria sisceraria; Dishcloth - Luffa cylindrica	70
Gypsophila: annual Baby's Breath - G. elegans; Perennial Baby's Breath - G. paniculata, G. pacifica 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
Hyacinh bean - Dolichos lablab	70
Impatiens - Impatiens hostii, I. sultani	55
*Ipomea - Cypress Vine - I. quamoclit; Moonflower - I. noctiflora; Morning Glories, Cardinal Climber, Hearts and Honey Vine - Ipomea spp	75
Jerusalem cross (maltese cross) - Lychnis chalconica	70
Job's Tears - Coix lacrymajobi	70
Kochia - Kochia childsii	55
Larkspur, annual - Delphinium ajacis	60
Lantana - Lantana camara, L. hybrida	35
Lilium (regal lily) - Lilium regale	50
Linaria - Linaria spp	65
Lobelia, annual - Lobelia erinus	65
Lunaria, annual - Lunaria annua	65
*Lupine - Lupinus spp	65
Marigold - Tagetes spp	65



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Marvel of Peru - <i>Mirabilis jalapa</i>	60
Matricaria (feverfew) - <i>Matricaria</i> spp	60
Mignonette - <i>Reseda odorata</i>	55
Myosotis - <i>Myosotis alpestris</i> , <i>M. oblongata</i> , <i>M. palustris</i>	50
Nasturtium - <i>Tropaeolum</i> spp	60
Nemesia - <i>Nemesia</i> spp	65
Nemophila - <i>Nemophila insignis</i>	70
Nemophila, spotted - <i>Nemophila maculata</i>	60
Nicotiana - <i>Nicotiana affinis</i> , <i>N. sanderae</i> , <i>N. sylvestris</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. pubescens</i>	60
Petunia - <i>Petunia</i> spp	45
Phacelia - <i>Phacelia campanularia</i> , <i>P. minor</i> , <i>P. tanacetifolia</i>	65
Phox, annual - <i>Phlox drummondii</i> all types and varieties	55
Physalis - <i>Physalis</i> spp	60
Platycodon (balloon flower) - <i>Platycodon grandiflorum</i>	60
Plumbago, cape - <i>Plumbago capensis</i>	50
Ponytail - <i>Beaucarnea recurvata</i>	40
Poppy: Shirley Poppy - <i>Papaver rhoeas</i> ; Iceland Poppy - <i>P. nudicaule</i> ; Oriental Poppy - <i>P. orientale</i> ; Tulip Poppy - <i>P. glaucum</i>	60
Portulaca - <i>Portulaca grandiflora</i>	55
Primula (primrose) - <i>Primula</i> spp	50
Pyrethrum (painted daisy) - <i>Pyrethrum coccineum</i>	60
Salpiglossis - <i>Salpiglossis gloxinaeflora</i> , <i>S. sinuata</i>	60
Salvia - Scarlet Sage - <i>Salvia splendens</i> ; Mealycup Sage (blue bedder) - <i>S. farinacea</i>	50
Saponaria - <i>Saponaria ocymoides</i> , <i>S. vaccaria</i>	60



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Scabiosa, annual - <i>Scabiosa atropurpurea</i>	50
Scabiosa, perennial - <i>Scabiosa caucasica</i>	40
Schizanthus - <i>Schizanthus</i> spp	60
*Sensitive plant (mimosa) - <i>Mimosa pudica</i>	65
Shasta Daisy - <i>Chrysanthemum maximum</i> C. leucanthemum	65
Silk Oak - <i>Grevillea robusta</i>	25
Snapdragon - <i>Antirrhinum</i> spp	55
Solanum - <i>Solanum</i> spp	60
Statice - <i>Statice sinuata</i> , <i>S. suworonii</i> (flower heads)	50
Stocks: Common - <i>Mathiola incana</i> ; Evening Scented - <i>Mathiola bicornis</i>	65
Sunflower - <i>Helianthus</i> spp	70
Sunrose - <i>Helianthemum</i> spp	30
*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
Tahoka daisy - <i>Machaeranthera tanacetifolia</i>	60
Thunbergia - <i>Thunbergia alata</i>	60
Torn Flower - <i>Tithonia speciosa</i>	70
Torenia (wishbone flower) - <i>Torenia fournieri</i>	70
Tritoma Kniphofia spp	65
Verbena, annual - <i>Verbena hybrida</i>	35
Vinca - <i>Vinca rosea</i>	60
Viola - <i>Viola cornuta</i>	55
Virginian stocks - <i>Malcolmia maritima</i>	65
Wallflower - <i>Cheiranthus allioni</i>	65
Yucca (Adam's needle) - <i>Yucca filamentosa</i>	50
Zinna (except Linearis and Creeping) - <i>Zinnia angustifolia</i> , <i>Z. elegans</i> , <i>Z. grandiflora</i> , <i>Z. gracillima</i> , <i>Z. haegeana</i> , <i>Z. multiflora</i> , <i>Z. pumila</i>	65
Zinnia, Linearis and Creeping - <i>Zinnia linearis</i> , <i>Sanvitalia procumbens</i>	50



The germination standard for all other flower seed shall be fifty per cent.

* means that the minimum percentage for these species includes both the germination per cent and the hard seed per cent added together.