

Many of the taxonomic details cited in "A Review of Two Floras of Colorado" are from the following list of problems found by Dr. John Kartesz as he reviewed the second edition of Flora of Colorado for taxonomic details to include in his 50 year project of producing a county by county list of all taxa in the U.S. and Canada. See [www.bonap.org](http://www.bonap.org) .

To benefit the Colorado botanical community, Dr. Kartesz has been kind enough to provide the entire list

**ALTHOUGH SOME DISAGREEMENTS EXIST, THE FOLLOWING GENERA USED IN  
FLORA OF COLORADO DO NOT AGREE WITH APG IV FAMILY ALIGNMENT**

Azolla NOW IN SALVINIACEAE

Linnaea NOW IN CAPRIFOLIACEAE

Adoxa NOW IN VIBURNACEAE

Nama NOW IN NAMACEAE

Dipsacus NOW IN CAPRIFOLIACEAE

Parnassia NOW IN CELASTRACEAE

Hemerocallis NOW IN ASPHODELACEAE

Sambucus NOW IN VIBURNACEAE

Hypericum NOW IN HYPERICACEAE

Tiquilia NOW IN EHRETIACEAE

Knautia NOW IN CAPRIFOLIACEAE

Valeriana NOW IN CAPRIFOLIACEAE

Kolkwitzia NOW IN CAPRIFOLIACEAE

Viburnum NOW IN VIBURNACEAE

Lindernia NOW IN LINDERNIACEAE

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**THE FOLLOWING LIST  
INCLUDES OMISSIONS, ERRONEOUS REPORTS, AND OTHER PROBLEMS IN  
FLORA OF COLORADO**

[ ] Abbreviations in brackets are for herbaria with specimens of the taxon.

Range maps for all taxa can be found at <http://bonap.net/TDC/> .

Dryopteris filix-mas COLO PLANT is Dryopteris filix-mas ssp. filix-mas

Equisetum ×ferrissii OMITTED [COLO]

Equisetum ×litorale OMITTED [ALAM]

Equisetum ×nelsonii OMITTED [KHD]

Equisetum hyemale NOW Equisetum praealtum

Isoetes echinospora COLO PLANT IS Isoetes echinospora ssp. muricata

Huperzia haleakalae IN COLORADO, THE PLANT IS Huperzia continentalis

Lycopodium annotinum NOW A SYNONYM OF Spinulum annotinum

Botrychium campestre OMITTED [COLO]

Botrychium lineare NOW A SYN. OF Botrychium campestre

*Adiantum aleuticum* COLO PLANT IS *Adiantum aleuticum* var. *aleuticum*

*Gymnocarpium ×brittonianum* OMITTED (SEE SYST BOT 1993)

*Myriopteris rufa* ALPH ORDER PROBLEM

*Juniperus virginiana* var. *virginiana* OMITTED [COLO]

*Abies bifolia* var. *arizonica* OMITTED [RM]

*Pinus strobiformis* NOW *Pinus reflexa*

*Viburnum opulus* var. *opulus* OMITTED (SEE J BRIT 2018) [UTC]

*Sagittaria montevidensis* NOT IN COLO. THE COLO PLANT IS *Sagittaria calycina*

*Sagittaria demersa* OMITTED [COLO]

*Amaranthus californicus* OMITTED [KHD] [CSCN]

*Amaranthus hypochondriacus* [GH] [COLO]

*Amaranthus tuberculatus* OMITTED [KANU]

*Atriplex argentea* COLO PLANT IS *Atriplex argentea* var. *argentea*

*Atriplex canescens* COLO PLANT IS *Atriplex canescens* var. *canescens*

*Atriplex cuneata* ssp. *cuneata* OMITTED [RM]

*Atriplex subspicata* NOW *Atriplex dioica*

*Atriplex gardneri* COLO PLANT IS *Atriplex gardneri* var. *gardneri*

*Atriplex garrettii* OMITTED (SEE J. OF TORR. BOT. SOC. 2007) [GH]

*Atriplex pachypoda* (SEE FL OF 4 CORNERS) [BRY]

*Atriplex prostrata* OMITTED (SEE FNA) [COLO]

*Atriplex saccaria* COLO PLANT IS *Atriplex saccaria* var. *saccaria* (SEE FLORA OF 4 CORNERS)

*Atriplex tridentata* OMITTED (SEE FNA) [COLO]

*Bassia prostrata* OMITTED [NY]

*Chenopodiastrum murale* OMITTED [MESA]

*Chenopodium album* var. *album* OMITTED [COLO]

*Chenopodium album* var. *missouriense* OMITTED [COLO]

*Chenopodium fremontii* COLO PLANT IS *Chenopodium fremontii* var. *fremontii*

*Chenopodium incognitum* OMITTED (SEE MADRONO 2019)

*Chenopodium nitens* OMITTED (SEE J OF TORR BOT SOC. 2014) [US]  
*Chenopodium strictum* var. *glaucophyllum* OMITTED (SEE J BRIT 2019) [COLO]  
*Dysphania ambrosioides* COLO PLANT IS *Dysphania ambrosioides* var. *ambrosioides*  
*Froelichia floridana* COLO PLANT IS *Froelichia floridana* var. *campestris*  
*Grayia plummeri* OMITTED (SEE MADRONO 1997; SEE FNA) [RM]  
*Guilleminea densa* COLO PLANT IS *Guilleminea densa* var. *aggregata*  
*Nitrophila occidentalis* OMITTED (SEE INTERMOUNTAIN FLORA) [NY]  
*Oxybasis glauca* var. *glauca* OMITTED (SEE FNA) [RM]  
*Oxybasis glauca* var. *salina* OMITTED (SEE FNA) [RM]  
*Oxybasis rubra* var. *humilis* OMITTED (SEE FLORA OF 4 CORNERS) [SJNM]  
*Oxybasis rubra* var. *rubra* OMITTED (SEE FLORA OF 4 CORNERS) [RM]  
*Tidestromia lanuginosa* COLO PLANT IS *Tidestromia lanuginosa* ssp. *lanuginosa*  
*Rhus aromatica* var. *serotina* OMITTED (SEE ATLAS OF GREAT PLAINS AND WEBER AND WITTMANN 1992)  
*Aletes anisatus* NOW *Cymopterus anisatus*  
*Aletes sessiliflorus* NOW *Cymopterus sessiliflorus*  
*Anthriscus caucalis* OMITTED [KHD]  
*Aulospermum duchesnensis* NOW *Cymopterus duchesnensis*  
*Cicuta maculata* var. *angustifolia* OMITTED (CAN J. BOT 1980) [COLO]  
*Cicuta maculata* var. *maculata* OMITTED (CAN J BOT 1980) [NY]  
*Coriandrum sativum* OMITTED [COLO]  
*Aletes lemmonii* NOW *Cymopterus lemmonii*  
*Cymopterus terebinthinus* var. *albiflorus* OMITTED [COLO]  
*Lomatium bicolor* NOT IN COLO. THE COLO PLANT IS *Lomatium leptocarpum*  
*Oreoxis alpina* ssp. *alpina* OMITTED [RM]  
*Oreoxis alpina* ssp. *puberulenta* OMITTED [RM]  
*Orlaya daucooides* OMITTED (SEE J. BRIT. 2019) [COLO]  
*Pseudocymopterus montanus* NOW *Cymopterus lemmonii*  
*Pteryxia* NOW *Cymopterus*

*Asclepias incarnata* COLO PLANT IS *Asclepias incarnata* ssp. *incarnata*

*Vinca minor* OMITTED [CS]

*Lemna minor* NOT IN COLO. THE COLO PLANT IS *Lemna turionifera*

*Lemna valdiviana* NOT IN COLO

*Wolffia brasiliensis* OMITTED (SEE FLORA OF 4 CORNERS)

*Polygonatum biflorum* OMITTED [BRY]

*Yucca harrimaniae* COLO PLANT IS *Yucca harrimaniae* var. *harrimaniae*

*Agoseris ×agrestis* OMITTED [COLO]

*Agoseris heterophylla* COLO PLANT IS *Agoseris heterophylla* var. *heterophylla*

*Agoseris ×montana* OMITTED [RM]

*Antennaria howellii* ssp. *howellii* OMITTED (SEE FNA) [RM]

*Antennaria howellii* ssp. *neodioica* OMITTED (SEE FNA) [RM]

*Antennaria howellii* ssp. *petaloidea* (SEE FNA) [RM]

*Antennaria pulcherrima* COLO PLANT IS *Antennaria pulcherrima* ssp. *pulcherrima*

*Antennaria rosea* ssp. *arida* OMITTED (SEE BRITTONIA 1980) [RM]

*Antennaria rosea* ssp. *confinis* OMITTED (SEE BRITTONIA 1989) [NY]

*Antennaria rosea* ssp. *rosea* OMITTED (SEE BRITTONIA 1989) [RM]

*Anthemis tinctoria* NOW *Cota tinctoria*

*Arnica lanceolata* COLO PLANT IS *Arnica lanceolata* ssp. *prima*

*Arnica ovata* IS QUITE DISTINCT FROM *Arnica mollis*

*Artemisia ×argilosa* OMITTED (SEE SYST BOT MONO 2009) [RM]

*Artemisia arctica* NOW *Artemisia norvegica* ssp. *saxatilis*

*Artemisia borealis* ssp. *borealis* OMITTED (SEE FNA) [COLO]

*Artemisia ludoviciana* ssp. *candicans* OMITTED (SEE FLORA 4 CORNERS) [SJNM]

*Artemisia norvegica* ssp. *saxatilis* OMITTED (SEE WEBER AND WITTMANN 1992) [COLO]

*Artemisia pattersonii* NOW *Delwiensia pattersonii*

*Artemisia spinescens* NOW *Picrothamnus desertorum*

*Bellis perennis* OMITTED [KHD]

*Berlandiera lyrata* COLO PLANT IS *Berlandiera lyrata* var. *purpurea*

*Bidens aristosa* OMITTED (SEE PUB OF FIEMD MUS NAT HIST, 1937) [GH]

*Bidens laevis* OMITTED SEE PUB FIELD MUS OF NAT HIST, 1937) [US]

*Brickellia eupatorioides* var. *chlorolepis* OMITTED (SEE FNA) [COLO]

*Brickellia eupatorioides* var. *corymbulosa* OMITTED (SEE FNA) [RM]

*Brickellia longifolia* COLO PLANT IS *Brickellia longifolia* var. *longifolia*

*Brickellia microphylla* COLO PLANT IS *Brickellia microphylla* var. *scabra*

*Brickelliastrum fendleri* [OMITTED [RM]

*Centaurea cyanus* NOW *Cyanus segetum*

*Centaurea eriophora* OMITTED [COLO]

*Centaurea montana* NOW *Cyanus montanus*

*Centaurea stoebe* ssp. *micranthos* NOW *Centaurea stoebe* ssp. *australis*

*Centaurea xvarnensis* OMITTED [COLO] [KHD]

*Centaurea virgata* COLO PLANT IS *Centaurea virgata* ssp. *squarrosa*

*Chrysothamnus viscidiflorus* ssp. *axillaris* OMITTED (SEE FNA) [COLO]

*Chrysothamnus viscidiflorus* ssp. *puberulus* OMITTED (SEE WEBER AND WITTMANN 1992) [CS]

*Cirsium calcareum* BETTER AS *Cirsium arizonicum* var. *bipinnatum*

*Cirsium clavatum* var. *clavatum* OMITTED (SEE FNA) [MEVE]

*Cirsium eatonii* var. *murdockii* OMITTED (SEE FNA) [NMC]

*Cirsium ochrocentrum* COLO PLANT IS *Cirsium ochrocentrum* var. *ochrocentrum*

*Cirsium scariosum* var. *scariosum* OMITTED (SEE FNA) [NMC]

*Cirsium wheeleri* OMITTED (SEE FLORA 4 CORNERS) [SJNM]

*Crepis tectorum* OMITTED [COLO]

*Cyclachaena xanthii* COLO PLANT IS *Euphrosyne xanthiifolia*

*Diaperia prolifera* COLO PLANT IS *Diaperia prolifera* var. *prolifera*

*Dieteria asteroides* var. *asteroides* OMITTED (SEE 4 CORNERS FLORA) [SJNM]

*Dieteria asteroides* var. *glandulosa* OMITTED (SEE 4 CORNERS FLORA) [SJNM]

*Dieteria canescens* var. *ambigua* OMITTED (SEE PHYTOLOGIA 1987) [RM]

*Dieteria canescens* var. *aristata* OMITTED (SEE FNA) [RM]  
*Dieteria canescens* var. *canescens* OMITTED (SEE FNA) [COLO]  
*Dieteria canescens* var. *glabra* OMITTED (SEE FNA) [RM]  
*Dimorphotheca sinuata* (SEE PHYTOLOGIA 2010) [COLO]  
*Echinacea angustifolia* COLO PLANT IS *Echinacea angustifolia* var. *angustifolia*  
*Ericameria nauseosa* var. *arenaria* OMITTED (LORAN ANDERSON PERSONAL COMMUNICATION) [BRY]  
*Ericameria nauseosa* var. *turbinata* OMITTED [BRY]  
*Ericameria parryi* var. *affinis* OMITTED [RM] [NY]  
*Ericameria xuintahensis* OMITTED [BRY]  
*Erigeron acris* COLO PLANT IS *Erigeron acris* var. *kamtschaticus*  
*Erigeron aphanactis* COLO PLANT IS *Erigeron aphanactis* var. *aphanactis*  
*Erigeron bellidiastrum* var. *bellidiastrum* OMITTED (SEE FNA) [RM]  
*Erigeron bellidiastrum* var. *robustus* OMITTED (SEE FNA) [RM]  
*Erigeron concinnus* var. *concinnus* OMITTED (SEE FNA) [RM]  
*Erigeron concinnus* var. *subglaber* OMITTED (SEE FNA) [RM]  
*Erigeron divaricatus* OMITTED [COLO]  
*Erigeron glabellus* var. *glabellus* OMITTED (SEE FNA) [COLO]  
*Erigeron glabellus* var. *pubescens* OMITTED (SEE FNA) [COLO]  
*Erigeron glacialis* COLO PLANT IS *Erigeron glacialis* var. *glacialis*  
*Erigeron nanus* OMITTED [USUUB]  
*Erigeron nematophylloides* OMITTED [BRY]  
*Erigeron ochroleucus* OMITTED [COLO]  
*Erigeron scopulinus* OMITTED (SEE FLORA OF 4 CORNERS) [SJNM]  
*Erigeron wilkenii* OMITTED [COLO] NOT A SYNONYM OF *ERIGERON NEMATOPHYLLUS* RYDB.  
*Galinsoga parviflora* COLO PLANT IS *Galinsoga parviflora* var. *parviflora*  
*Grindelia decumbens* OMITTED [COLO]  
*Grindelia inornata* NOW *Grindelia fastigiata* var. *fastigiata*  
*Grindelia nuda* NOW *Grindelia squarrosa*

*Grindelia nuda* var. *aphanactis* NOW *Grindelia squarrosa*

*Grindelia squarrosa* var. *quasiperennis* NOW *Grindelia squarrosa*

*Helianthella uniflora* NOW *Helianthella uniflora* var. *uniflora*

*Helianthus nuttallii* COLO PLANT IS *Helianthus nuttallii* ssp. *nuttallii*

*Heliomeris longifolia* COLO PLANT IS *Heliomeris longifolia* var. *annua*

HETEROTHECA SEE NESOM RECENT TAXONOMY

*Heterotheca foliosa* NOW *Heterotheca villosa* var. *foliosa*

*Heterotheca paniculata* OMITTED (SEE PHYTONEURON 2020) [RM]

*Heterotheca resinolens* OMITTED [NY]

*Heterotheca subaxillaris* ssp. *latifolia* NOW *Heterotheca subaxillaris*

*Heterotheca villosa* var. *ballardii* OMITTED [COLO]

*Heterotheca villosa* var. *foliosa* OMITTED [COLO]

*Hieracium aurantiacum* NOW *Pilosella aurantiaca*

*Hieracium umbellatum* OMITTED [NY]

*Hymenopappus filifolius* var. *lugens* OMITTED (SEE WEBER AND WITTMANN 1992) [BRY] [MESA] [UTC]

*Lactuca graminifolia* COLO PLANT IS *Lactuca graminifolia* var. *arizonica*

*Lactuca sativa* OMITTED [KHD]

*Liatris punctata* COLO PLANT IS *Liatris punctata* var. *punctata*

*Lorandersonia pulchella* NOT IN COLO. COLO PLANT IS *Lorandersonia baileyi*

*Melampodium strigosum* OMITTED (SEE FNA) [POM]

*Mulgedium oblongifolium* NOW *Lactuca PULCHELLA*

*Packera dimorphophylla* var. *intermedia* OMITTED (SEE FLORA OF 4 CORNERS) [RM]

*Packera mancosana* OMITTED [US]

*Packera neomexicana* var. *metcalfei* NOW *Packera thurberi*

*Packera paupercula* COLO PLANT IS *Packera paupercula* var. *paupercula*

*Palafoxia rosea* COLO PLANT IS *Palafoxia rosea* var. *macrolepis*

*Parthenium tetraeuris* NOW *Parthenium alpinum*

*Platyschkuhria integrifolia* var. *desertorum* OMITTED (SEE INTERMOUNTAIN FLORA) [COLO]

*Platyschkuhria integrifolia* var. *oblongifolia* OMITTED (SEE FLORA 4 CORNERS) [COLO]

*Prenanthes racemosa* NOW *Nabalus racemosus*

*Pseudognaphalium jaliscense* OMITTED (SEE FLORA 4 CORNERS) [SJNM]

*Pyrrcoma crocea* COLO PLANT IS *Pyrrcoma crocea* var. *crocea*

*Pyrrcoma uniflora* COLO PLANT IS *Pyrrcoma uniflora* var. *uniflora*

*Rudbeckia hirta* var. *pulcherrima* NOW *Rudbeckia hirta* var. *hirta*

*Scabrethia scabra* ssp. *canescens* (SEE AMERICAN MID NAT 1946, AND FNA) [UC]

*Scorzonera laciniata* NOW *Scorzonera hispanica* ssp. *coronopifolia*

*Senecio inexpectatus* OMITTED (AL SCHNEIDER PERSONAL COMMUNICATION) [COLO]

*Senecio integerrimus* var. *exaltatus* OMITTED [RM]

*Senecio integerrimus* var. *integerrimus* OMITTED [RM]

*Senecio multicapitatus* NOW *Senecio spartioides*

*Silybum marianum* OMITTED [CS]

*Solidago altissima* COLO PLANT IS *Solidago altissima* var. *gilvocanescens*

*Solidago elongata* NOT IN COLO. COLO PLANT IS *Solidago lepida* var. *lepida*

*Solidago gigantea* COLO PLANT IS *Solidago gigantea* var. *shinersii*

*Solidago glutinosa* OMITTED (SEE CAN J BOT 1987) [COLO]

*Solidago lepida* var. *lepida* OMITTED [RM]

*Solidago lepida* var. *salebrosa* OMITTED [RM]

*Solidago multiradiata* COLO PLANT IS *Solidago multiradiata* var. *scopulorum*

*Solidago nemoralis* var. *decemflora* NOW *Solidago nemoralis* var. *longipetiolata*

*Solidago simplex* NOW *Solidago glutinosa* (SEE ABOVE)

*Solidago velutina* ssp. *sparsiflora* INDISTINCT FROM *Solidago velutina*

*Aster eatonii* NOW *Symphotrichum bracteolatum*

*Symphotrichum ericoides* var. *ericoides* OMITTED (SEE FNA) [COLO]

*Symphotrichum ericoides* var. *pansum* OMITTED (SEE FNA) [RM]

*Symphotrichum falcatum* var. *commutatum* OMITTED (SEE FNA) [COLO]

*Symphotrichum falcatum* var. *falcatum* OMITTED (SEE FNA) [COLO]



*Symphyotrichum praealtum* var. *praealtum* OMITTED [NMC] [MIN]  
*Symphyotrichum spathulatum* COLO PLANT IS *Symphyotrichum spathulatum* var. *spathulatum*  
*Tanacetum coccineum* OMITTED [COLO]  
*Taraxacum eriophorum* NOW *Taraxacum ceratophorum*  
*Taraxacum laevigatum* NOW *Taraxacum erythrospermum*  
*Tetradymia canescens* COLO PLANT IS *Tetradymia canescens* var. *canescens*  
*Thelesperma filifolium* COLO PLANT IS *Thelesperma filifolium* var. *intermedium*  
*Thelesperma subnudum* COLO PLANT IS *Thelesperma subnudum* var. *subnudum*  
*Tragopogon ×mirabilis* OMITTED [COLO]  
*Wyethia ×magna* OMITTED [COLO]  
*Berberis fremontii* NOW *Alloerberis fremontii*  
*Berberis haematocarpa* NOW *Alloerberis haematocarpa*  
*Berberis repens* NOW *Mahonia repens*  
*Betula ×eastwoodiae* OMITTED [COLO]  
*Betula pendula* COLO PLANT IS *Betula pendula* ssp. *pendula*  
*Lithospermum arvense* NOW *Buglossoides arvensis*  
*Cryptantha torreyana* var. *calycosa* IS A SYN OF *Cryptantha torreyana* var. *torreyana*  
*Cryptantha rudis* IS A SYN OF *Cryptantha kelseyana*  
*Cryptantha torreyana* COLO PLANT IS *Cryptantha torreyana* var. *torreyana*  
*Greeneocharis circumscissa* COLO PLANT IS *Greeneocharis circumscissa* var. *circumscissa*  
*Hackelia deflexa* var. *americana* OMITTED (SEE 1976 MEM NY BOT GARD) [RM]  
*Lappula occidentalis* var. *stricta* NOW *Lappula occidentalis* var. *stricta*  
*Oreocarya fulvocanescens* var. *fulvocanescens* OMITTED (SEE 4 CORNERS FLORA) [SJNM]  
*Oreocarya fulvocanescens* var. *nitida* OMITTED (SEE FLORA OF 4 CORNERS) [COLO]  
*Oreocarya revealii* IS A DISTINCT SPECIES!! IS NOT SAME AS *Oreocarya paradoxa*  
*Oreocarya suffruticosa* var. *cinerea* OMITTED [RM]  
*Oreocarya suffruticosa* var. *pustulosa* OMITTED [COLO]  
*Oreocarya suffruticosa* var. *suffruticosa* OMITTED [GH]

Alyssum desertorum COLO PLANT IS Alyssum desertorum var. desertorum

Alyssum murale NOW Odontarrhena muralis

Arabidopsis thaliana OMITTED [MSUB]

Barbarea verna OMITTED (RM)

Boechera drepanoloba NOW Boechera lemmonii

Boechera pendulocarpa OMITTED (SEE RHODORA 1941) [RM]

Boechera perennans OMITTED [RM]

Boechera sanluisensis OMITTED (SEE SYST BOT 2015) [COLO]

Brassica nigra NOW Rhamphospermum nigrum

Cardamine hirsuta OMITTED [COLO]

Descurainia adenophora (SEE J TORR SOC 2007) [COLO]

Draba cuneifolia NOW Tomostima cuneifolia

Draba reptans NOW Tomostima reptans

Eruca vesicaria ssp. sativa OMITTED (RM)

Eutrema penlandii NOW Eutrema edwardsii

Lepidium strictum OMITTED (SEE FLORA OF 4 CORNERS) [COLO]

Lepidium virginicum ssp. menziesii OMITTED (SEE FNA) [RM]

Lepidium virginicum ssp. virginicum OMITTED (SEE FNA) [RM]

Matthiola longipetala OMITTED [RM]

Odontarrhena muralis OMITTED [COLO]

Physaria ovalifolia COLO PLANT IS Physaria ovalifolia ssp. ovalifolia

Rorippa palustris ssp. hispida OMITTED [RM]

Rorippa palustris ssp. palustris OMITTED [RM]

Sinapis arvensis NOW Rhamphospermum arvense

Sisymbrium austriacum OMITTED (SEE WEBER AND WITTMANN 1992) [COLO]

Streptanthella longirostris NOW Streptanthus longirostris

Thelypodium integrifolium ssp. gracilipes OMITTED [GH]

Thelypodium integrifolium ssp. integrifolium OMITTED [COLO]

*Thysanocarpus curvipes* ssp. *eradiatus* OMITTED (SEE SYST BOT 2010) [CS]

*Butomus umbellatus* OMITTED BUT IS PRESENT IN COLORADO CONFIRMED BY [CS]

*Cylindropuntia whipplei* COLO PLANT IS *Cylindropuntia whipplei* var. *whipplei*

*Echinocereus coccineus* COLO PLANT IS *Echinocereus coccineus* var. *coccineus*

*Echinocereus fendleri* COLO PLANT IS *Echinocereus fendleri* var. *fendleri*

*Echinocereus mojavenis* OMITTED [ASU]

*Echinocereus reichenbachii* COLO PLANT IS *Echinocereus reichenbachii* var. *reichenbachii*

*Echinocereus viridiflorus* COLO PLANT IS *Echinocereus viridiflorus* var. *viridiflorus*

*Escobaria vivipara* COLO PLANT IS *Escobaria vivipara* var. *vivipara*

*Opuntia chlorotica* DELETE, NOT IN COLO

*Opuntia macrocentra* DELETE, NOT IN COLO

*Opuntia polyacantha* var. *trichophora* SYN OF *Opuntia polyacantha* var. *polyacantha*

*Sclerocactus dawsonii* IMPRUDENT TO INCLUDE UNPUBLISHED NAMES OF OTHER RESEARCHERS

*Campanula aparinoides* NOW *Palustricodon aparinoides*

*Campanula uniflora* NOW *Melanocalyx uniflora*

*Downingia laeta* IMPROUDENT TO INCLUDE NUMEROUS PLANTS UNKNOWN FOR COLO. WAIT UNTIL FOUND.

*Triodanis perfoliata* COLO PLANT IS *Triodanis perfoliata* ssp. *perfoliata*

*Kolkwitzia amabilis* OMITTED (SEE J. BRIT 2011) [RM]

*Lonicera xbella* OMITTED [KHD]

*Lonicera japonica* OMITTED [SJNM]

*Symphoricarpos albus* var. *albus* OMITTED (SEE J BRIT 2019) [RM]

*Symphoricarpos albus* var. *laevigatus* OMITTED (SEE J ARN ARB 1948) [US]

*Symphoricarpos rotundifolius* var. *oreophilus* OMITTED [RM]

*Symphoricarpos rotundifolius* var. *rotundifolius* OMITTED [RM]

*Symphoricarpos rotundifolius* var. *vaccinioides* OMITTED [RM]

*Agrostemma brachyloba* OMITTED (SEE WEBER AND WITTMANN 1992) [COLO]

*Cerastium nutans* var. *nutans* OMITTED [RM]

*Dianthus barbatus* OMITTED [UTEP]

*Dianthus plumarius* OMITTED [COLO]  
*Dianthus sylvestris* OMITTED [RM]  
*Eremogone fendleri* var. *brevicaulis* OMITTED (SEE INTERMOUNTAIN FLORA) [RM]  
*Eremogone fendleri* var. *fendleri* OMITTED (SEE INTERMOUNTAIN FLORA) [COLO]  
*Eremogone fendleri* var. *porteri* OMITTED (SEE INTERMOUNTAIN FLORA) [COLO]  
*Gypsophila vaccaria* OMITTED [COLO]  
*Sabulina macrantha* COLO PLANT IS *Sabulina macrantha* var. *macrantha*  
*Sabulina nuttallii* COLO PLANT IS *Sabulina nuttallii* var. *nuttallii*  
*Silene conoidea* OMITTED [COLO]  
*Silene coronaria* OMITTED (SEE J BRIT) [COLO]  
*Silene gallica* OMITTED [COLO]  
*Silene scouleri* COLO PLANT IS *Silene scouleri* ssp. *hallii*  
*Stellaria alsine* OMITTED (COLO)  
*Stellaria pallida* NOW *Stellaria media*  
*Vaccaria hispanica* NOW *Gypsophila vaccaria*  
*Euonymus maackii* OMITTED (SEE J BRIT 2011) [RM]  
*Calystegia sepium* COLO PLANT IS *Calystegia sepium* ssp. *angulata*  
*Cuscuta gronovii* var. *gronovii* OMITTED (SEE IL BOT MONO 1920) [COLO]  
*Cuscuta indecora* COLO PLANT IS *Cuscuta indecora* var. *indecora*  
*Crassula drummondii* OMITTED (SEE FNA ) [PH]  
*Petrosedum thartii* (SEE PHYLOTAXA 2014) [CONN]  
*Rhodiola integrifolia* COLO PLANT IS *Rhodiola integrifolia* ssp. *integrifolia*  
*Cyclanthera dissecta* NOT IN COLO. THE COLO PLANT IS *Cyclanthera naudiniana*  
*Carex aquatilis* var. *aquatilis* OMITTED [RM]  
*Carex aquatilis* var. *minor* OMITTED [COLO]  
*Carex blanda* OMITTED (SEE FNA)  
*Carex capillaris* COLO PLANT IS *Carex capillaris* ssp. *capillaris*  
*Carex deflexa* COLO PLANT IS *Carex deflexa* var. *boottii*

Carex deweyana COLO PLANT IS Carex deweyana var. deweyana

Carex exsiccata NOT IN COLO. INTENDED FOR Carex vesicaria

Carex incurviformis COLO PLANT IS Carex incurviformis var. danaensis

Carex kelloggii COLO PLANT IS Carex kelloggii var. kelloggii

Carex laeviculmis NOT IN COLO ( MISID.)

Carex lasiocarpa var. americana OMITTED [COLO]

Carex leptalea COLO PLANT IS Carex leptalea ssp. leptalea

Carex leptopoda NOT IN COLO. THE COLO PLANT IS Carex deweyana var. deweyana

Carex livida COLO PLANT IS Carex livida var. radicaulis

Carex nardina COLO PLANT IS Carex nardina var. hepburnii

Carex paysonis NOT IN COLO

Carex scopulorum var. bracteosa OMITTED (SEE FNA) [RM]

Carex scopulorum var. scopulorum OMITTED (SEE FNA) [RM]

Cyperus lupulinus COLO PLANT IS Cyperus lupulinus var. lupulinus

Cyperus sphaerolepis NOT IN COLO

Eleocharis bella OMITTED NEEDS CONFIRMATION [RM]

Eleocharis parishii (SEE FLORA OF 4 CORNERS) [SJNM]

Eriophorum angustifolium COLO PLANT IS Eriophorum angustifolium ssp. angustifolium

Eriophorum scheuchzeri COLO PLANT IS Eriophorum scheuchzeri ssp. scheuchzeri

Eriophorum viridicarinatum NOT IN COLO

Schoenoplectus acutus var. acutus OMITTED [COLO]

Schoenoplectus acutus var. occidentalis OMITTED (SEE FLORA OF 4 CORNERS) [COLO]

Schoenoplectus pungens COLO PLANT IS Schoenoplectus pungens var. longispicatus

Drosera rotundifolia COLO PLANT IS Drosera rotundifolia var. rotundifolia

Elaeagnus umbellata OMITTED (SEE PLYTLOGIA 1979) [COLO]

Arctostaphylos xcoloradensis OMITTED [CS]

Arctostaphylos patula COLO PLANT IS Arctostaphylos patula ssp. patula

Chimaphila umbellata COLO PANT IS Chimaphila umbellata ssp. occidentalis

*Monotropa hypopitys* NOW *Hypopitys americana*

*Pyrola asarifolia* COLO PLANT IS *Pyrola asarifolia* ssp. *asarifolia*

*Acalypha rhomboidea* OMITTED [CS] WEED FOUND IN MULTIPLE COUNTIES, INCLUDING DENVER BOT GARDEN.

*Ditaxis humilis* NOW *Argythamnia humilis* (SEE FNA)

*Ditaxis mercurialina* NOW *Argythamnia mercurialina* (SEE FNA)

*Croton texensis* COLO PLANT IS *Croton texensis* var. *texensis*

*Euphorbia albomarginata* OMITTED (SEE FNA) [MO]

*Euphorbia geyeri* COLO PLANT IS *Euphorbia geyeri* var. *geyeri*

*Euphorbia nephradenia* OMITTED [SEE FNA] [BRY]

*Euphorbia nutans* OMITTED NEEDS CONFIRMATION [CS]

*Euphorbia xpseudovirgata* OMITTED [KANU]

*Euphorbia schizoloba* MISID. NOT IN COLO

*Euphorbia serpillifolia* COLO PLANT IS *Euphorbia serpillifolia* var. *serpillifolia*

*Acmispon wrightii* OMITTED (SEE FL 4 CORNERS) [COLO]

*Astragalus albulus* OMITTED (SEE FL 4 CORNERS) [RM]

*Astragalus allochrous* COLO PLANT IS *Astragalus allochrous* var. *playanus*

*Astragalus alpinus* COLO PLANT IS *Astragalus alpinus* var. *alpinus*

*Astragalus amphioxys* var. *amphioxys* OMITTED (SEE FLORA 4 CORNERS) [COLO]

*Astragalus bisulcatus* var. *major* OMITTED [RM]

*Astragalus convallarius* var. *convallarius* OMITTED [COLO]

*Astragalus convallarius* var. *scopulorum* OMITTED [NY]

*Astragalus crassicus* var. *crassicus* OMITTED [COLO]

*Astragalus crassicus* var. *paysonii* OMITTED [COLO]

*Astragalus flavus* var. *flavus* OMITTED (SEE FLORA 4 CORNERS) [COLO]

*Astragalus flavus* var. *higginsii* OMITTED (SEE FLORA 4 CORNERS) [SJNM]

*Astragalus flexuosus* var. *greenei* NOT IN COLO

*Astragalus gilviflorus* COLO PLANT IS *Astragalus gilviflorus* var. *gilviflorus*

*Astragalus hyalinus* COLO PLANT IS *Astragalus hyalinus* var. *hyalinus*

*Astragalus jejunus* COLO PLANT IS *Astragalus jejunus* var. *jejunus*

*Astragalus linifolius* OMITTED [COLO] (ACKERFIELD INDEX STATES ON PG 381; NO SUCH NAME THERE)

*Astragalus miser* var. *decumbens* OMITTED [RM]

*Astragalus mollissimus* var. *mollissimus* OMITTED (SEE J BRIT, 2011) [COLO]

*Astragalus molybdenus* COLO PLANT IS *Astragalus molybdenus* var. *molybdenus*

*Astragalus nelsonianus* OMITTED (SEE WEBER AND WITTMANN 1992) [CS] ALSO SEE STATE HERITAGE PROGRAM

*Astragalus nuttallianus* var. *austrinus* OMITTED (SEE J BRIT 2011) [RM]

*Astragalus oophorus* var. *wilkenii* OMITTED [BRY]

*Astragalus praelongus* var. *ellisiae* OMITTED (SEE MEM NY BOT GARD 1964) [RM]

*Astragalus preussii* COLO PLANT IS *Astragalus preussii* var. *preussii*

*Astragalus puniceus* COLO PLANT IS *Astragalus puniceus* var. *puniceus*

*Astragalus purshii* COLO PLANT IS *Astragalus purshii* var. *purshii*

*Astragalus racemosus* var. *longisetus* OMITTED (SEE MEM NY BOT GARD 1964) [RM]

*Astragalus racemosus* var. *treleasei* OMITTED (SEE WELSH 2007) THERE ARE THREE VARIETIES IN COLO, NOT TWO

*Astragalus tenellus* NOW *Astragalus multiflorus* (SEE REVEAL 2004}

*Astragalus thompsoniae* NOW *Astragalus mollissimus* var. *thompsoniae*

*Cassia fasciculata* COLO PLANT IS *Chamaecrista fasciculata* var. *fasciculata*

*Dalea arenicola* OMITTED (SEE J BRIT 2011) [NY] IN Ackerfield 2015, NOT IN 2022

*Dalea glaberrima* OMITTED [NY]

*Hedysarum boreale* COLO PLANT IS *Hedysarum boreale* var. *boreale*

*Hedysarum occidentale* COLO PLANT IS *Hedysarum occidentale* var. *occidentale*

*Lathyrus decaphyllus* var. *decaphyllus* OMITTED [COLO] IN Ackerfield 2015, NOT IN 2022

*Lathyrus decaphyllus* var. *incanus* OMITTED (SEE J BRIT) [RM]

*Lathyrus lanszwertii* var. *lanszwertii* OMITTED [RM]

*Lathyrus lanszwertii* var. *leucanthus* OMITTED [COLO]

*Lupinus xalpestris* OMITTED [COLO]

*Lupinus ammophilus* OMITTED (SEE FLORA OF 4 CORNERS) [COLO]

*Lupinus argenteus* ssp. *argenteus* OMITTED (SEE FLORA OF 4 CORNERS) [COLO]

*Lupinus argenteus* ssp. *ingratus* OMITTED (SEE PHYTOLOGIA 2010) [COLO]  
*Lupinus argenteus* ssp. *moabensis* OMITTED (SEE FL 4 CORNERS) [BRY]  
*Lupinus argenteus* ssp. *rubricaulis* OMITTED (SEE FLORA OF 4 CORNERS) [RM]  
*Lupinus argenteus* ssp. *spathulatus* (SEE INTERMOUNTAIN FLORA) [GH]  
*Lupinus bakeri* ssp. *amplus* OMITTED [GH]  
*Lupinus bakeri* ssp. *bakeri* OMITTED [ASC]  
*Lupinus caespitosus* OMITTED (SEE FLORA 4 CORNERS) [COLO]  
*Lupinus kingii* var. *argillaceus* OMITTED [IND]  
*Lupinus kingii* var. *kingii* OMITTED (SEE FLORA 4 CORNERS) [F]  
*Lupinus parviflorus* ssp. *floribundus* OMITTED [GH]  
*Lupinus parviflorus* ssp. *myrianthus* var. *fulvomaculatus* OMITTED [RM]  
*Lupinus parviflorus* ssp. *myrianthus* var. *myrianthus* OMITTED [NY]  
*Lupinus parviflorus* ssp. *parviflorus* OMITTED [RM]  
*Lupinus pusillus* ssp. *pusillus* OMITTED [COLO]  
*Lupinus pusillus* ssp. *rubens* OMITTED (SEE AMERICAN MID NAT 1959)  
*Oxytropis cusickii* NOW *Oxytropis campestris* var. *cusickii*  
*Oxytropis deflexa* var. *foliolosa* OMITTED [RM]  
*Oxytropis deflexa* var. *pulcherrima* OMITTED (SEE FLORA 4 CORNERS) [SJNM]  
*Oxytropis deflexa* var. *sericea* NOW *Oxytropis sericea* var. *sericea*  
*Oxytropis lagopus* var. *atropurpurea* OMITTED [RM]  
*Oxytropis lambertii* var. *articulata* OMITTED [COLO]  
*Oxytropis lambertii* var. *bigelovii* OMITTED [RM]  
*Oxytropis lambertii* var. *lambertii* OMITTED [COLO]  
*Oxytropis viscida* NOW *Oxytropis borealis* var. *viscida*  
*Pediomelum hypogaeum* COLO PLANT IS *Pediomelum hypogaeum* var. *hypogaeum*  
*Pediomelum megalanthum* COLO PLANT IS *Pediomelum megalanthum* var. *megalanthum*  
*Prosopis glandulosa* COLO PLANT IS *Prosopis glandulosa* var. *glandulosa*  
*Robinia hispida* COLO PLANT IS *Robinia hispida* var. *hispida*



*Robinia neomexicana* COLO PLANT IS *Robinia neomexicana* var. *neomexicana*

*Thermopsis montana* COLO PLANT IS *Thermopsis montana* var. *montana*

*Trifolium anemophilum* NOW *Trifolium dasyphyllum* ssp. *anemophilum*

*Trifolium gymnocarpon* COLO PLANT IS *Trifolium gymnocarpon* ssp. *gymnocarpon*

*Trifolium longipes* ssp. *pygmaeum* (SEE CAN J BOT 1969) OMITTED [COLO]

*Trifolium longipes* ssp. *reflexum* OMITTED (SEE CAN J BOT 1969) [COLO]

*Trifolium mucronatum* ssp. *lacerum* OMITTED (SEE CAN J BOT 1980) [SJNM]

*Trifolium parryi* ssp. *parryi* OMITTED (SEE FLORA OF 4 CORNERS) [COLO]

*Trifolium parryi* ssp. *salictorum* OMITTED (SEE BRITTONIA 1965) [COLO]

*Vicia americana* ssp. *americana* OMITTED (SEE IOWA STATE J SCI 1960) [COLO]

*Vicia americana* ssp. *minor* OMITTED (SEE ATLAS OF GREAT PLAINS) [COLO]

*Vicia ludoviciana* COLO PLANT IS *Vicia ludoviciana* ssp. *ludoviciana*

*Vicia villosa* COLO PLANT IS *Vicia villosa* ssp. *villosa*

*Quercus gambelii* COLO PLANT IS *Quercus gambelii* var. *gambelii*

*Quercus rubra* ADV IN COLO (SEE J. BRIT 2019) [COLO]

*Quercus xundulata* OMITTED [COLO]

*Centaurium arizonicum* NOW *Zeltnera arizonica*

*Centaurium exaltatum* NOW *Zeltnera exaltata*

*Eustoma russellianum* COLO PLANT IS *Eustoma exaltatum* ssp. *russellianum*

*Gentiana andrewsii* COLO PLANT IS *Gentiana andrewsii* var. *andrewsii*

*Gentiana bigelovii* NOW *Gentiana affinis*

*Gentianella acuta* NOW *Gentianella amarella* ssp. *acuta*

*Gentianopsis virgata* NOT IN COLO

*Geranium aequale* OMITTED (SEE SYST BOT 2012) [NY]

*Geranium atropurpureum* NOW *Geranium caespitosum*

*Geranium ibericum* OMITTED (SEE WEBER AND WITTMANN 1992) [COLO]

*Geranium viscosissimum* var. *incisum* NOT IN COLO. COLO PLANT IS *Geranium viscosissimum*.

*Ribes cereum* COLO PLANT IS *Ribes cereum* var. *cereum*

*Ribes inerme* COLO PLANT IS *Ribes inerme* var. *inerme*

*Heliotropium curassavicum* ssp. *oculatum* NOW *Heliotropium curassavicum* var. *obovatum*

*Fendlerella utahensis* COLO PLANT IS *Fendlerella utahensis* var. *utahensis*

*Philadelphus microphyllus* COLO PLANT IS *Philadelphus microphyllus* var. *microphyllus*

*Hydrilla verticillata* OMITTED [USGS]

*Nama hispida* OMITTED (SEE FLORA OF 4 CORNERS) [YU]

*Phacelia corrugata* NOW *Phacelia crenulata* var. *corrugata*

*Phacelia demissa* COLO PLANT IS *Phacelia demissa* var. *demissa*

*Phacelia hastata* COLO PLANT IS *Phacelia hastata* var. *hastata*

*Phacelia neomexicana* OMITTED [ALAM]

*Phacelia tanacetifolia* OMITTED [COLO]

*Sisyrinchium angustifolium* NOT IN COLO

*Juglans nigra* OMITTED (SEE J. BRIT 2011) [CS]

*Juncus arcticus* NOT IN COLO. COLO PLANT IS *Juncus balticus* ssp. *ater*

*Juncus brachyphyllus* NOT IN COLO NOR CLOSE TO IT

*Juncus bufonius* var. *bufonius* OMITTED [COLO]

*Juncus bufonius* var. *occidentalis* OMITTED [F]

*Juncus castaneus* var. *castaneus* OMITTED [COLO]

*Juncus effusus* COLO PLANT IS *Juncus effusus* ssp. *effusus*

*Juncus nevadensis* COLO PLANT IS *Juncus nevadensis* var. *nevadensis*

*Juncus saximontanus* OMITTED, [COLO] NOT EQUAL TO *Juncus ensifolius*

*Luzula comosa* COLO PLANT IS *Luzula comosa* var. *laxa*

*Agastache pallidiflora* COLO PLANT IS *Agastache pallidiflora* var. *greenei*

*Caryopteris xclandonensis* OMITTED [COLO]

*Dracocephalum moldavica* OMITTED ([ASU]

*Hyssopus officinalis* OMITTED [COLO]

*Lamium purpureum* COLO PLANT IS *Lamium purpureum* var. *purpureum*

*Lycopus uniflorus* COLO PLANT IS *Lycopus uniflorus* var. *uniflorus*

Monardella odoratissima COLO PLANT IS Monardella odoratissima ssp. glauca

Prunella vulgaris COLO PLANT IS Prunella vulgaris ssp. lanceolata

Pycnanthemum virginianum OMITTED [GREE]

Salvia yangii OMITTED [FLD]

Scutellaria lateriflora COLO PLANT IS Scutellaria lateriflora var. lateriflora

Scutellaria resinosa OMITTED (SEE WEBER AND WITTMANN 1992) [CS]

Stachys pilosa COLO PLANT IS Stachys pilosa var. pilosa

Calochortus gunnisonii [COLO] PLANT IS Calochortus gunnisonii var. gunnisonii

Linum australe COLO PLANT IS Linum australe var. australe

Linum berlandieri COLO PLANT IS Linum berlandieri var. berlandieri

Linum grandiflorum OMITTED (SEE FNA) [COLO]

Linum lewisii COLO PLANT IS Linum lewisii var. lewisii

Linum rigidum var. rigidum OMITTED (SEE FNA) [COLO]

Linum rigidum var. simulans OMITTED (SEE FNA)

Mentzelia laevicaulis COLO PLANT IS Mentzelia laevicaulis var. laevicaulis

Mentzelia longiloba var. longiloba OMITTED (SEE FNA AND SYST BOT 2011) [WS]

Mentzelia montana OMITTED (SEE FNA) [RM]

Ammannia coccinea OMITTED [NCSC]

Lythrum alatum COLO PLANT IS Lythrum alatum var. alatum

Callirhoe alcaeoides OMITTED (SEE MEM NY BOT GAR.1990) [MO]

Callirhoe involucrata var. involucrata OMITTED [CS]

Callirhoe involucrata var. lineariloba OMITTED (SEE MEN NY BOT GARDEN 1990 AND FNA)

Iliamna angulata NOW Iliamna grandiflora

Sidalcea neomexicana COLO PLANT IS Sidalcea neomexicana ssp. neomexicana

Sphaeralcea fendleri COLO PLANT IS Sphaeralcea fendleri ssp. fendleri

Veratrum californicum COLO PLANT IS Veratrum californicum var. californicum

Claytonia rubra COLO PLANT IS Claytonia rubra ssp. rubra

Phemeranthus brevifolius OMITTED (NY)

*Mirabilis hirsuta* NOW *Mirabilis albida*

*Mirabilis linearis* var. *decipiens* OMITTED (SEE FLORA 4 CORNERS) [NY]

*Fontanesia phillyreoides* ssp. *fortunei* OMITTED (SEE J BRIT 2011) [RM]

*Fraxinus anomala* COLO PLANT IS *Fraxinus anomala* var. *anomala*

*Menodora scabra* COLO PLANT IS *Menodora scabra* var. *scabra*

*Camissonia breviflora* NOW *Taraxia breviflora*

*Camissonia subacaulis* NOW *Taraxia subacaulis*

*Chamaenerion angustifolium* COLO PLANT IS *Chamaenerion angustifolium* ssp. *circumvagum*

*Chylismia walkeri* COLO PLANT IS *Chylismia walkeri* ssp. *walkeri*

*Circaea alpina* ssp. *alpina* OMITTED (SEE FNA) [RM]

*Circaea alpina* ssp. *pacifica* OMITTED (SEE FNA) [RM]

*Epilobium hornemannii* COLO PLANT IS *Epilobium hornemannii* ssp. *hornemannii*

*Gayophytum diffusum* COLO PLANT IS *Gayophytum diffusum* ssp. *parviflorum*

*Gayophytum humile* NOT IN COLO

*Ludwigia alternifolia* OMITTED (SEE FNA) [CM]

*Oenothera cinerea* COLO PLANT IS *Oenothera cinerea* ssp. *cinerea*

*Oenothera filiformis* IN ACKERFIELD 2015 BUT NOT IN ACKERFIELD 2022. PRESENT IN COLO [CS]

*Oenothera grandis* OMITTED (SEE FNA) [RM]

*Oenothera hartwegii* COLO PLANT IS *Oenothera hartwegii* ssp. *pubescens*

*Oenothera triloba* OMITTED (SEE FNA)

*Corallorhiza maculata* var. *maculata* OMITTED (SEE FNA) [RM]

*Corallorhiza maculata* var. *occidentalis* OMITTED (SEE FNA) [NY]

*Corallorhiza striata* var. *vreelandii* OMITTED (SEE FNA) [KANU]

*Platanthera xdulcis* OMITTED [FLAS]

*Aphyllon arizonicum* OMITTED (SEE PHYTONEURON 2015) [COLO]

*Aphyllon cooperi* NOT IN COLO

*Castilleja flava* COLO PLANT IS *Castilleja flava* var. *flava*

*Castilleja miniata* COLO PLANT IS *Castilleja miniata* var. *miniata*

Castilleja minor COLO PLANT IS Castilleja minor var. exilis

Pedicularis canadensis NOT IN COLO. COLO PLANT IS Pedicularis fluviatilis

Pedicularis parryi ssp. mogollonica OMITTED (SEE FNA) [RM]

Pedicularis parryi ssp. parryi OMITTED (SEE FNA) [RM]

Pedicularis sudetica COLO PLANT IS Pedicularis sudetica ssp. scopulorum

Dicentra uniflora OMITTED [COLO]

Papaver nudicaule ssp. americanum NOT IN COLO

Erythranthe tilingii NOT IN COLO

Mimulus ringens COLO PLANT IS Mimulus ringens var. ringens

Antirrhinum majus OMITTED? NEEDS CONFIRMATION [GREE]

Callitriche heterophylla NOT IN COLO

Callitriche stenoptera OMITTED (SEE NOVON 2009) [MO]

Cymbalaria muralis OMITTED (SEE FNA) (COLO)

Linaria grandiflora OMITTED (SEE FNA) (NY)

Linaria texana OMITTED (SEE FNA) [COLO]

Nuttallanthus NOW Linaria

Penstemon ambiguus COLO PLANT IS Penstemon ambiguus var. ambiguus

Penstemon angustifolius var. venosus OMITTED (SEE FNA AND FLORA 4 CORNERS) [RM]

Penstemon angustifolius var. vernalensis OMITTED (SEE FNA) [COLO]

Penstemon barbatus var. torreyi OMITTED (SEE FNA AND FLORA 4 CORNERS) [CS]

Penstemon barbatus var. trichander OMITTED (SEE FNA) [COLO]

Penstemon caespitosus var. caespitosus OMITTED (SEE FNA) [RM]

Penstemon caespitosus var. perbrevis OMITTED (SEE FNA) [BRY]

Penstemon gracilis COLO PLANT IS Penstemon gracilis var. gracilis

Penstemon palmeri COLO PLANT IS Penstemon palmeri var. palmeri

Penstemon rydbergii var. aggregatus OMITTED (SEE FNA) [NY]

Penstemon rydbergii var. rydbergii OMITTED (SEE FNA) [NY]

Penstemon scariosus var. albifluvis OMITTED (SEE FNA)

*Penstemon scariosus* var. *cyanomontanus* OMITTED (SEE FNA) [RM]  
*Penstemon scariosus* var. *garrettii* OMITTED (SEE FNA) [BRY]  
*Penstemon scariosus* var. *scariosus* OMITTED (SEE FNA) [KANU]  
*Penstemon virgatus* var. *asa-grayi* OMITTED [COLO]  
*Penstemon virgatus* var. *virgatus* OMITTED (SEE FNA)  
*Synthyris* NOW *Veronica*  
*Veronica biloba* NOW *Veronica argute-serrata*  
*Veronica wormskjoldii* COLO PLANT IS *Veronica wormskjoldii* ssp. *nutans*  
*Agropyron cristatum* COLO PLANT IS *Agropyron cristatum* ssp. *pectinatum*  
*Alopecurus aequalis* COLO PLANT IS *Alopecurus aequalis* var. *aequalis*  
*Alopecurus* ×*hausknechtianus* OMITTED [KHD]  
*Aristida curtissii* OMITTED (SEE HITCHCOCK MANUAL OF GRASSES OF THE US 1950) [CS]  
*Aristida dichotoma* NOT IN COLO. COLO PLANT IS *Aristida curtissii*  
*Aristida longespica* var. *geniculata* OMITTED (SEE TRANS OF KANS ACAD OF SCI 2000) [KANU]  
*Arrhenatherum elatius* COLO PLANT IS *Arrhenatherum elatius* var. *elatius*  
*Avena sterilis* OMITTED [RM]  
*Avenella flexuosa* NOW *Deschampsia flexuosa*  
*Bothriochloa laguroides* COLO PLANT IS *Bothriochloa laguroides* ssp. *torreyana*  
*Bouteloua barbata* COLO PLANT IS *Bouteloua barbata* var. *barbata*  
*Bouteloua curtipendula* var. *caespitosa* OMITTED [COLO]  
*Bouteloua curtipendula* var. *curtipendula* OMITTED [COLO]  
*Bouteloua dactyloides* OMITTED [COLO]  
*Briza maxima* OMITTED [NY]  
*Briza media* OMITTED [COLO]  
*Bromus anomalus* OMITTED [NY]  
*Bromus catharticus* var. *catharticus* OMITTED [SJNM]  
*Bromus carinatus* NOT IN COLO COLO PLANT IS *Bromus sitchensis* var. *marginatus*  
*Bromus commutatus* NOW *Bromus racemosus*

*Bromus polyanthus* NOW *Bromus sitchensis* var. *polyanthus*

*Bromus pumpellianus* COLO PLANTS IS *Bromus pumpellianus* ssp. *pumpellianus*

*Buchloe dactyloides* NOW *Bouteloua dactyloides*

*Calamagrostis xacutiflora* OMITTED [KHD]

*Calamagrostis canadensis* COLO PLANT IS *Calamagrostis canadensis* var. *canadensis*

*Calamagrostis stricta* ssp. *inexpansa* OMITTED [RM]

*Calamagrostis stricta* ssp. *stricta* OMITTED (SEE CONT TO GRAY HERB), 1930) [NY]

*Cenchrus incertus* OMITTED [MICH]

*Cenchrus spinifex* NOW *Cenchrus incertus*

*Cynosurus cristatus* OMITTED [COCO]

*Deschampsia brevifolia* NOW *Deschampsia cespitosa* ssp. *septentrionalis*

*Deschampsia flexuosa* OMITTED [MO]

*Dichanthelium thermale* ssp. *sericeum* OMITTED [COLO]

*Digitaria californica* NOW *Trichachne californica*

*Digitaria pubiflora* NOW *Leptoloma pubiflorum* var. *pubiflorum*

*Dinebra panicea* NOT IN COLO

*Diplachne fusca* ssp. *uninervia* OMITTED (SEE PHYTOKEYS 2018) [US]

*Echinochloa colona* OMITTED [MSC]

*Echinochloa crus-pavonis* var. *macera* OMITTED [GREE]

*Eleusine coracana* ssp. *africana* OMITTED [RM]

*xElyhordeum macounii* OMITTED [COLO]

*xElylymus aristatus* OMITTED [COLO]

*Elymus elymoides* ssp. *brevifolius* OMITTED [COLO]

*Elymus elymoides* ssp. *elymoides* OMITTED [COLO]

*Elymus xhansanii* OMITTED (SEE BRIT 1963) [CS]

*Elymus lanceolatus* COLO PLANT IS *Elymus lanceolatus* ssp. *lanceolatus*

*Elymus xpseudorepens* OMITTED [NY]

*Elymus xsaundersii* OMITTED [COLO]

*Elymus trachycaulus* ssp. *subsecundus* OMITTED [COLO]  
*Elymus trachycaulus* ssp. *trachycaulus* OMITTED [COLO]  
*Elymus violaceus* NOW *Elymus alaskanus* ssp. *latiglumis*  
*Elymus virginicus* COLO PLANT IS *Elymus virginicus* var. *virginicus*  
*Eragrostis pectinacea* var. *miserrima* OMITTED [RM]  
*Eragrostis pectinacea* var. *pectinacea* OMITTED [COLO]  
*Eragrostis pilosa* COLO PLANT IS *Eragrostis pilosa* var. *perplexa*  
*Eragrostis tef* OMITTED [RM]  
*Eremopyrum bonaepartis* OMITTED [RM]  
*Eriocoma bloomeri* ALPH ORDER PROBLEM  
*Eriocoma arnowiae* OMITTED (SEE WELSH AND ATWOOD 2015)  
*Eriocoma nelsonii* ssp. *dorei* OMITTED [RM]  
*Eriocoma nelsonii* ssp. *nelsonii* OMITTED [RM]  
*Eriocoma occidentalis* ssp. *pubescens* OMITTED [RM]  
*Eriocoma webberi* NOT IN COLO  
*Festuca campestris* OMITTED [COLO]  
*Festuca kingii* NOW *Leucopoa kingii*  
*Festuca octoflora* var. *hirtella* OMITTED [MISSA]  
*Festuca octoflora* var. *octoflora* OMITTED [ISC]  
*Festuca octoflora* var. *tenella* OMITTED [MO]  
*Glyceria grandis* COLO PLANT IS *Glyceria grandis* var. *grandis*  
*Hesperostipa comata* ssp. *comata* OMITTED [RM]  
*Hesperostipa comata* ssp. *intermedia* OMITTED [RM]  
*Hilaria jamesii* NOW *Pleuraphis jamesii*  
*Hordeum brachyantherum* COLO PLANT IS *Hordeum brachyantherum* ssp. *brachyantherum*  
*Hordeum murinum* ssp. *glaucum* OMITTED [COLO]  
*Hordeum murinum* ssp. *leporinum* OMITTED [RM]  
*Koeleria spicata* OMITTED [COLO]



*Melica nitens* OMITTED [NY]

*Panicum dichotomiflorum* COLO PLANT IS *Panicum dichotomiflorum* var. *dichotomiflorum*

*Panicum miliaceum* COLO PLANT IS *Panicum miliaceum* ssp. *miliaceum*

*Panicum virgatum* COLO PLANT IS *Panicum virgatum* var. *virgatum*

*Pennisetum alopecuroides* NOW *Cenchrus alopecuroides*

*Pennisetum glaucum* NOW *Cenchrus americanus*

*Phragmites americanus* OMITTED (SEE SIDA 2004) [COLO]

*Poa alpina* COLO PLANT IS *Poa alpina* ssp. *alpina*

*Poa arctica* ssp. *aperta* OMITTED [RM]

*Poa arctica* ssp. *arctica* OMITTED [RM]

*Poa arctica* ssp. *grayana* OMITTED [RM]

*Poa banffiana* OMITTED [NY]

*Poa bulbosa* COLO PLANT IS *Poa bulbosa* ssp. *vivipara*

*Poa cusickii* ssp. *epilis* OMITTED [RM]

*Poa cusickii* ssp. *pallida* OMITTED [KHD]

×*Pseudelymus saxicola* OMITTED [COLO]

*Pseudoroegneria spicata* ssp. *inermis* OMITTED [COLO]

*Pseudoroegneria spicata* ssp. *spicata* OMITTED [COLO]

*Puccinellia distans* COLO PLANT IS *Puccinellia distans* ssp. *distans*

*Schismus arabicus* OMITTED [MO]

*Sorghum bicolor* COLO PLANT IS *Sorghum bicolor* ssp. *bicolor*

*Sporobolus airoides* ALPH ORDER PROBLEM

*Sporobolus arenicola* OMITTED [COLO]

*Sporobolus compositus* COLO PLANT IS *Sporobolus compositus* var. *compositus*

*Sporobolus hookerianus* OMITTED [COLO]

*Sporobolus michauxianus* OMITTED [RM]

*Sporobolus rigidus* var. *rigidus* OMITTED [COLO]

*Trichachne californica* OMITTED [RM]

*Tripidium ravennae* OMITTED [COLO]

*Trisetum interruptum* NOW *Sphenopholis interrupta* ssp. *interrupta*

*Trisetum spicatum* NOW *Koeleria spicata*

*Triticum durum* OMITTED [RM]

*Zea mays* COLO PLANT IS *Zea mays* ssp. *mays*

*Zuloagaea bulbosa* OMITTED (SEE FLORA 4 CORNERS) [SJNM]

*Eriastrum diffusum* COLO PLANT IS *Eriastrum diffusum* ssp. *diffusum*

*Gilia tricolor* ssp. *tricolor* OMITTED [COLO] ADVENTIVE IN BOULDER CO

*Ipomopsis congesta* ssp. *matthewii* OMITTED (SEE PHYTOTAXA) [RSA]

*Ipomopsis longiflora* ssp. *longiflora* OMITTED (SEE MADRONO 2002) [RM]

*Ipomopsis longiflora* ssp. *neomexicana* OMITTED (SEE MADRONO 2001) [KANU]

*Ipomopsis multiflora* COLO PLANT IS *Ipomopsis multiflora* ssp. *multiflora*

*Ipomopsis spicata* ssp. *capitata* OMITTED (SEE WEBER AND WITTMANN 1992) [COLO]

*Ipomopsis spicata* ssp. *spicata* OMITTED (SEE WEBER AND WITTMANN 1992) [RM]

*Linanthus pungens* COLO PLANT IS *Linanthus pungens* ssp. *pungens*

*Linanthus watsonii* COLO PLANT IS *Linanthus watsonii* ssp. *watsonii*

*Phlox andicola* COLO PLANT IS *Phlox andicola* ssp. *andicola*

*Phlox canescens* OMITTED (SEE WHERRY 1955 THE GENUS PHLOX) [COLO]

*Phlox condensata* COLO PLANT IS *Phlox condensata* ssp. *condensata*

*Fallopia japonica* NOW *Reynoutria japonica*

*Polygonum aviculare* ssp. *aviculare* OMITTED (SEE FNA) [CS]

*Polygonum aviculare* ssp. *buxiforme* OMITTED (SEE FNA) [USFS]

*Polygonum aviculare* ssp. *depressum* OMITTED (SEE FNA) [COLO]

*Polygonum aviculare* ssp. *neglectum* OMITTED [GH]

*Polygonum erectum* OMITTED (SEE FNA) [RM]

*Polygonum ramosissimum* ssp. *prolificum* OMITTED [GH]

*Polygonum ramosissimum* ssp. *ramosissimum* OMITTED (SEE FNA) [COLO]

*Rumex crispus* COLO PLANT IS *Rumex crispus* ssp. *crispus*

Rumex patientia OMITTED (SEE J BRIT 2011) [RM]

Rumex paucifolius OMITTED (SEE FNA) [COLO]

Portulaca pilosa OMITTED (SEE FL 24 CORNERS) [RM]

Potamogeton berchtoldii COLO PLANT IS Potamogeton berchtoldii ssp. berchtoldii

Potamogeton ×hagstroemii OMITTED [NY]

Potamogeton perfoliatus NOT IN COLO

Stuckenia filiformis ssp. alpina OMITTED (SEE FNA) [COLO]

Stuckenia filiformis ssp. occidentalis OMITTED (SEE FNA) [COLO]

Stuckenia striata (SEE FNA) [CS]

Adonis aestivalis OMITTED [COLO]

Anemone multifida COLO PLANT IS Anemone multifida var. multifida

Aquilegia chrysantha COLO PLANT IS Aquilegia chrysantha var. rydbergii

Aquilegia coerulea var. pinetorum OMITTED (SEE FLORA 4 CORNERS) [SJNM]

Aquilegia flavescens OMITTED (SEE WEBER AND WITTMANN 1992) [GH]

Aquilegia micrantha COLO PLANT Aquilegia micrantha var. micrantha

Aquilegia pubescens OMITTED (SEE WEBER AND WITTMANN 1992) [COLO]

Consolida ajacis OMITTED BOULDER [LSU]

Delphinium occidentale COLO PLANT IS Delphinium occidentale ssp. occidentale

Delphinium robustum THIS IS NOT THE SAME AS Delphinium ramosum

Delphinium wootonii OMITTED [COLO]

Myosurus NOW Ranunculus

Ranunculus acriformis var. acriformis OMITTED [COLO]

Ranunculus acriformis var. montanensis OMITTED [RM]

Ranunculus bulbosus OMITTED [COLO]

Ranunculus egglestonii (SEE FOUR CORNERS FLORA) [SJNM]

Ranunculus flammula var. ovalis OMITTED (SEE FNA) [COLO]

Ranunculus flammula var. reptans OMITTED (SEE FNA) [CS]

Ranunculus gelidus NOW Ranunculus grayi

Ranunculus macauleyi var. brandegeei OMITTED (SEE FNA) [MO]  
Ranunculus macauleyi var. macauleyi OMITTED (SEE FNA) [ALAM]  
Ranunculus sceleratus var. sceleratus OMITTED (SEE J. BRIT 2011) [RM]  
Thalictrum fendleri COLO PLANT IS Thalictrum fendleri var. fendleri  
Thalictrum occidentale (SEE FNA ) [RM]  
Rhamnus betulifolia NOT IN COLO  
Rhamnus smithii NOW Endotropis smithii  
Agrimonia gryposepala OMITTED (SEE FNA) [USFS]  
Cercocarpus ledifolius var. intermontanus OMITTED [COLO]  
Crataegus chrysoarpa COLO PLANT IS Crataegus chrysoarpa var. chrysoarpa  
Dasiphora fruticosa COLO PLANT IS Dasiphora fruticosa ssp. floribunda  
Dryas OUT OF ALPH ORDER  
Drymocallis convallaria OMITTED (SEE FNA) [GH]  
Drymocallis glandulosa COLO PLANT IS Drymocallis glandulosa var. glandulosa  
Fragaria vesca COLO PLANT IS Fragaria vesca ssp. bracteata  
Fragaria virginiana COLO PLANT IS Fragaria virginiana ssp. glauca  
Geum triflorum var. ciliatum OMITTED (SEE FNA) [RM]  
Geum triflorum var. triflorum OMITTED (SEE FNA) [RM]  
Ivesia gordonii COLO PLANT IS Ivesia gordonii var. gordonii  
Malus pumila NOW Malus domestica  
Physocarpus malvaceus OMITTED (SEE FNA) [USFS]  
Argentina anserina NOW Potentilla anserina ssp. anserina  
Potentilla argentea COLO PLANT IS Potentilla argentea var. argentea  
Potentilla jepsonii BETTER AS Potentilla pensylvanica  
Potentilla subviscosa COLO PLANT IS Potentilla subviscosa var. subviscosa  
Potentilla thurberi var. thurberi OMITTED (SEE FL 4 CORNERS) [SJNM]  
Prunus virginiana var. demissa OMITTED (SEE FNA) [COLO]  
Prunus virginiana var. virginiana OMITTED (SEE FNA) [COLO]

*Purshia tridentata* COLO PLANT IS *Purshia tridentata* var. *tridentata*

*Rosa* ×*canadensis* OMITTED( SEE NOVON 2016) MO

*Rosa* ×*engelmannii* OMITTED (SEE NOVON 2016) [MO]

*Rosa glauca* OMITTED (SEE FNA) [CS]

*Rosa nutkana* ssp. *macdougalii* OMITTED (SEE FNA) [RM]

*Rosa nutkana* ssp. *melina* OMITTED (SEE FNA) [NY]

*Rosa rubiginosa* var. *rubiginosa* OMITTED (SEE FNA) [COLO]

*Rosa woodsii* ssp. *arizonica* var. *arizonica* OMITTED (SEE NOVON 2007) [MO]

*Rosa woodsii* ssp. *manca* OMITTED (SEE FLORA 4 CORNERS) [MO]

*Rosa woodsii* ssp. *puberulenta* OMITTED (SEE NOVON 2010) [MO]

*Rosa woodsii* ssp. *ultramontana* OMITTED (SEE FNA) [COLO]

*Rosa woodsii* ssp. *woodsii* OMITTED (SEE FNA) [RM]

*Rubus armeniacus* NOW *Rubus bifrons*

*Rubus idaeus* ssp. *idaeus* OMITTED [RM]

*Rubus parviflorus* NOW *Rubus nutkanus*

*Sibbaldia procumbens* NOW *Potentilla sibbaldii*

*Spiraea douglasii* var. *menziesii* OMITTED (SEE FNA) [COLO]

*Spiraea trilobata* OMITTED (SEE J BRIT 2011) [RM]

*Stenaria nigricans* COLO PLANT IS *Stenaria nigricans* var. *nigricans*

*Ptelea trifoliata* ssp. *pallida* var. *confinis* OMITTED (SEE BRITTONIA 1962) [RM]

*Ptelea trifoliata* ssp. *polyadenia* OMITTED (SEE BRITTONIA 1962) [MO]

*Populus acuminata* RECOGNIZED AS A FULL SPECIES, NOT A HYBRID

*Populus balsamifera* COLO PLANT IS *Populus balsamifera* ssp. *balsamifera*

*Populus* ×*brayshawii* OMITTED [COLO]

*Populus deltoides* ssp. *monilifera* OMITTED (SEE FNA) [COLO]

*Populus deltoides* ssp. *wislizeni* OMITTED (SEE FNA) [COLO]

*Populus* ×*jackii* OMITTED (SEE CAN J BOT 1984) [A]

*Populus nigra* OMITTED (SEE J OF TORR BOT SOC 2007) [COLO]

*Salix calcicola* COLO PLANT IS *Salix calcicola* var. *glandulosior*

*Salix eriocephala* OMITTED [COLO]

*Salix exigua* COLO PLANT IS *Salix exigua* var. *exigua*

*Salix glauca* COLO PLANT IS *Salix glauca* var. *villosa*

*Salix lasiolepis* OMITTED [SJNM] [ASC]

*Salix xpendulina* OMITTED [CS]

*Salix pentandra* OMITTED (SEE FNA) [RM]

*Salix reticulata* OMITTED (SEE FNA) [RM]

*Acer glabrum* var. *neomexicanum* OMITTED (SEE AMER MID NAT 1942) [CS]

*Lithophragma parviflorum* COLO PLANT IS *Lithophragma parviflorum* var. *parviflorum*

*Mitella pentandra* NOW *Pectiantia pentandra*

*Mitella stauropetala* NOW *Ozomelis stauropetala*

*Saxifraga debilis* NOW *Saxifraga hyperborea*

*Saxifraga hirculus* COLO PLANT IS *Saxifraga hirculus* ssp. *hirculus*

*Saxifraga debilis* NOW *Saxifraga hyperborea*

*Calibrachoa parviflora* OMITTED (SEE SIDA 2003) [KHD]

*Physalis hederifolia* COLO PLANT IS *Physalis hederifolia* var. *comata*

*Physalis longifolia* var. *longifolia* OMITTED (SEE RHODORA 1958 AND WEBER AND WITTMANN 1992) [CS]

*Physalis longifolia* var. *subglabrata* OMITTED (SEE RHODORA 1958 AND WEBER AND WITTMANN 1992) [COLO]

*Physalis virginiana* var. *polyphylla* OMITTED (SEE WEBER AND WITTMANN 1992) [MO]

*Physalis virginiana* var. *virginiana* OMITTED (SEE WEBER AND WITTMANN 1992) [COLO]

*Solanum americanum* VERY DOUBTFUL FOR COLO

*Solanum heterodoxum* var. *setigeroides* NOW *Solanum setigeroides*

*Solanum emulans* OMITTED (PHYTOKEYS 2019) [US]

*Solanum interius* OMITTED (SEE PHYTOLOGIA 2019) [US]

*Solanum nitidibaccatum* OMITTED [COLO]

*Solanum rostratum* OMITTED (SEE WEBER AND WITTMANN 1992) [COLO]

*Solanum setigeroides* OMITTED [COLO]

*Solanum stoloniferum* OMITTED (SEE SYST BOT 2004) [F]

*Tamarix gallica* NOT IN COLO

*Sparganium eurycarpum* COLO PLANT IS *Sparganium eurycarpum* var. *eurycarpum*

*Ulmus parvifolia* OMITTED (SEE J BRIT 2011) [RM]

*Ulmus rubra* OMITTED (SEE J BRIT 2011) [RM]

*Glandularia canadensis* OMITTED [YU]

*Glandularia wrightii* OMITTED [ASU]

*Verbena xcrookshanksii* OMITTED (SEE PHYTOLOGIA MEM 1980)

*Viola adunca* var. *adunca* OMITTED [COLO]

*Viola adunca* var. *bellidifolia* OMITTED [SUU]

*Viola bicolor* NOW *Viola rafinesquei*

*Viola biflora* COLO PLANT IS *Viola biflora* ssp. *biflora*

*Viola canadensis* NOT IN COLO, COLO PLANT IS *Viola rugulosa*

*Viola macloskeyi* NOT IN COLO, COLO PLANT IS *Viola minuscula*

*Viola retusa* OMITTED [MO]

*Viola scopulorum* OMITTED (SEE WEBER AND WITTMANN 1992) [CO]

*Viola tricolor* OMITTED [CS]

*Parthenocissus vitacea* NOW *Parthenocissus inserta*