

NEVADA NOXIOUS WEEDS EARLY DETECTION RESPONSE SPECIES (EDRR)



UGA1355037

Stephen Ausmus, USDA Agricultural Research Service, Bugwood.org

What is an EDRR Species?



The Desert Horticultural Society,
deserthorticulturalsociety.org



Christian Fischer, idfg.Idaho.gov

- Noxious weeds that are limited in distribution across Nevada
- Damaging to agricultural production and native ecosystems
- Reporting these species is critical in order to control the population and prevent it from spreading further and causing more harm

Peganum harmala – African rue



Avinoam Danin, flora.org



Kim McReynolds, rangelandsgateway.org



Daniel Levy, flora.org

Peganum harmala – African rue



weedwise.conservationdistrict.org



Wynn Anderson, calphotos.Berkeley.edu



weedwise.conservationdistrict.org

Rorippa austriaca - Austrian fieldcress



Nevada Department of Agriculture



Plantsam.com



Plantsam.com



Plantsam.com

Rorippa austriaca - Austrian fieldcress



Les Mehrhoff, www.discoverlife.org



Les Mehrhoff, www.discoverlife.org



Les Mehrhoff, www.discoverlife.org

Sphaerophysa salsula - Austrian peaweed



Utah State University , Bugwood.org



nwcb.wa.gov



Patrick Alexander, sernecportal.org

Sphaerophysa salsula - Austrian peaweed



Richard Spellenburg, calphotos.berkeley.edu



nwcb.wa.gov



Patrick Alexander, semecportal.org

Aegilops triuncialis – Barbed goatgrass



Barry Rice, calphotos.berkeley.edu



Guy B. Kyser, ucanr.edu



Ron Frumkin, flora.org

Aegilops triuncialis – Barbed goatgrass



Ori Fragman-Sapi, powo.science.kew.org



weedwise.conservationdistrict.org



Eric Wrubel, www.nps.gov

Pennisetum ciliare - Buffelgrass



Sue Carnahan, sernecportal.org



www.rrisc.org



Patrick Alexander, sernecportal.org

Pennisetum ciliare - Buffelgrass



Belinda Lo, calphotos.berkeley.edu



© Keir Morse - keiriosity.com

Keir Morse, calphotos.berkeley.edu



Sue Carnahan, sernecportal.org

Hysocyamus niger – Black henbane



Guide to Poisonous House and Garden Plants, Knight A.



Washington State Noxious Weed Control Board, www.nwcb.wa.gov

Hysocyamus niger – Black henbane



Jan Samanek, Phytosanitary Administration, Bugwood.org

Guide to Poisonous House and Garden Plants, Knight A. Guide to Poisonous House and Garden Plants, Knight A.

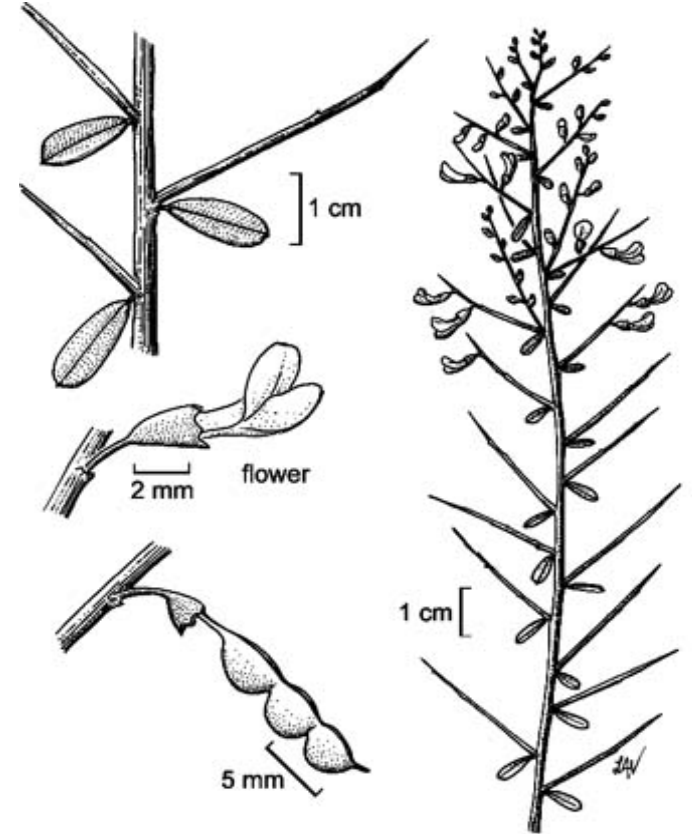
Alhagi pseudalhagi - Camelthorn



Max Licher, intermountainbiota.org



Max Licher, intermountainbiota.org



Alhagi maurorum

© Regents of the University of California

ucjeps.berkeley.edu

Alhagi pseudalhagi - Camelthorn



G. N. Hadjikyriakou, flora-of-cyprus.eu



Bing Liu, powo.science.kew.org



Ori Fragman-Sapir, powo.science.kew.org

Solanum carolinense – Carolina horsenettle



Fritz Flohr Reynolds, plants.ces.ncsu.edu



John. D. Byrd, plants.ces.ncsu.edu

Solanum carolinense – Carolina horsenettle



Consortium of Midwest Herbaria, midwestherbaria.org



UC Davis Weeds of California, cal-ipc.org

Crupina vulgaris – Common crupina



www.stammer.nl



Washington State Noxious Weed Control Board, invasivespecies.wa.gov

Crupina vulgaris – Common crupina



spontana.org



Joseph M. DiTomaso, University of California -
Davis, Bugwood.org



www.nwcb.wa.gov

Potamogeton crispus – Curly-leaf pondweed



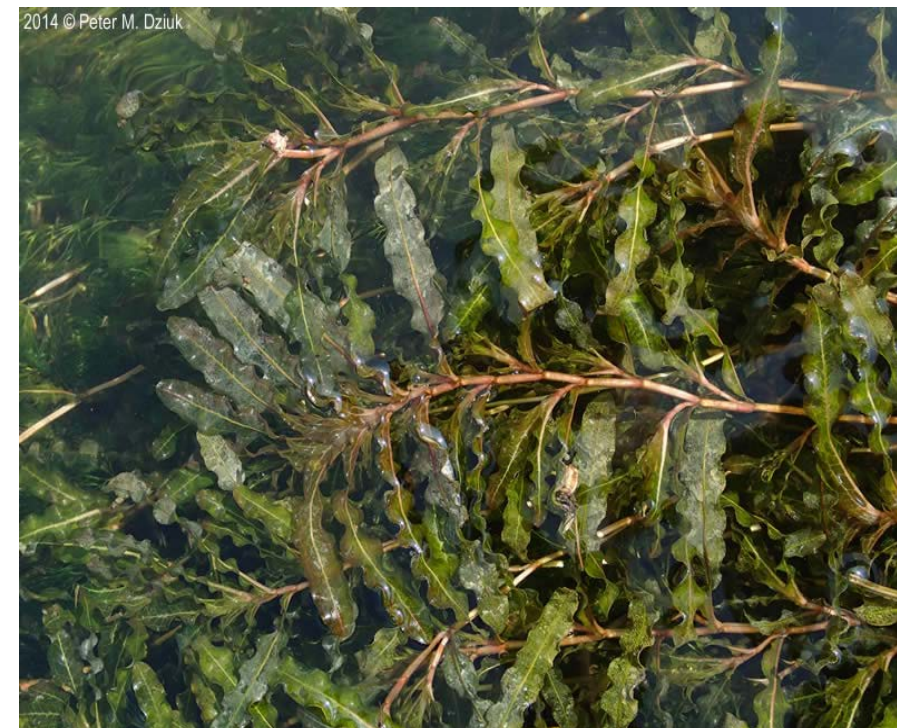
2016 © Peter M. Dziuk

Peter M. Dziuk, minnesotawildflowers.info



2014 © Peter M. Dziuk

Peter M. Dziuk, minnesotawildflowers.info



2014 © Peter M. Dziuk

Peter M. Dziuk, minnesotawildflowers.info

Potamogeton crispus – Curly-leaf pondweed



2017 © Peter M. Dziuk

Peter M. Dziuk, minnesotawildflowers.info



© 2011 Steve D. Eggers

Steve D. Eggers, minnesotawildflowers.info



2005 © Peter M. Dziuk

Peter M. Dziuk, minnesotawildflowers.info

Linaria damatica - Dalmatian toadflax



extension.umn.edu



Sarah Johnson, [iNaturalist.org](https://www.inaturalist.org)



kingcounty.gov

Volutaria tubuliflora – Desert knapweed



Ron Vanderhoff, nathistoc.bio.uci.edu



Barbara Boethling, calflora.org



Ron Vanderhoff, nathistoc.bio.uci.edu

Volutaria tubuliflora – Desert knapweed



Ron Vanderhoff, calphotos.berkeley.edu



Ron Vanderhoff, nathistoc.bio.uci.edu



Ron Vanderhoff, calphotos.berkeley.edu

Isatis tinctoria – Dyer's woad



Leahast, inaturalist.org



Steve Dewey, Utah State University, Bugwood.org



Biodiversity Heritage Library, eol.org



John Doyen, calphotos.berkeley.edu

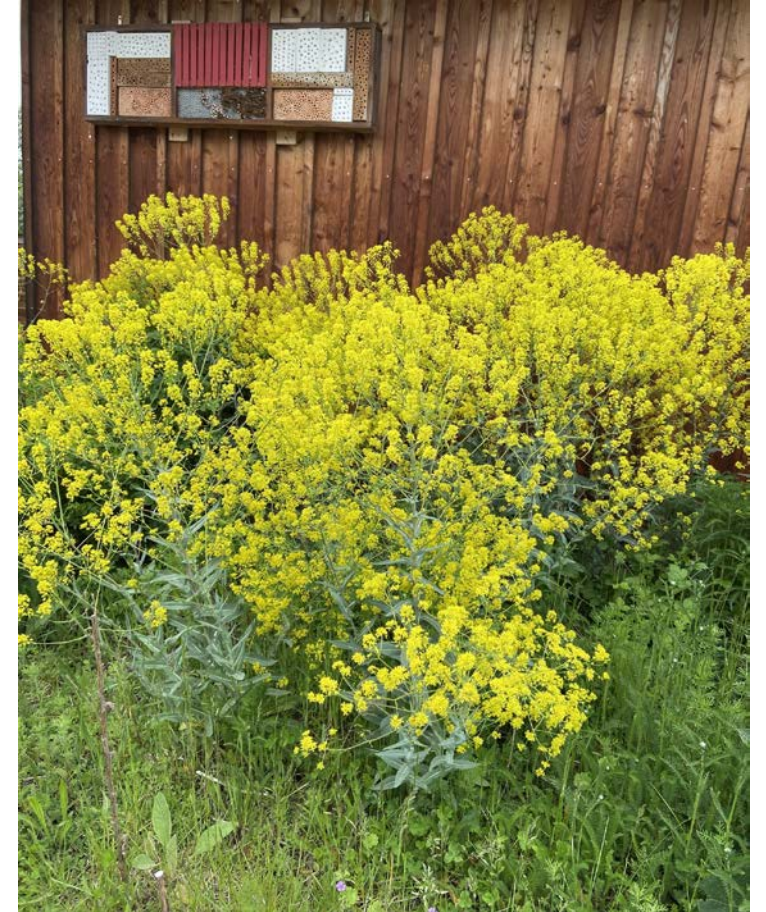
Isatis tinctoria – Dyer's woad



Robert H. Wardell, www.inaturalist.org



Steve Dewey, Utah State University, Bugwood.org



mue-wie, inaturalist.org

Myriophyllum spicatum - Eurasian watermilfoil



Graves Lovell, invasive.org



Paul Rothrock, swbiodiversity.org



Paul Rothrock, swbiodiversity.org

Myriophyllum spicatum - Eurasian watermilfoil



Chris Evans, University of Illinois, Bugwood.org



illinoiswildflowers.info



Paul Rothrock, invasive.org

Butomus umbellatus - Flowering rush



Shaun Winterton, Bugwood.org



gardenia.net



Matt Bischoff and Jenifer Parsons, Department of Ecology, walpa.org

Butomus umbellatus - Flowering rush



Green Deane, eattheweeds.com



Heidi Kratsch, Extension.unr.edu



gardenia.com



©2002 Gary Fewless
Gary Fewless, University of Wisconsin

Salvina molesta - Giant salvinia



Keith Bradley, Botanist/Conservation Biologist, Bugwood.org



Heidi Kratsch, Extension.unr.edu



tpwd.texas.gov

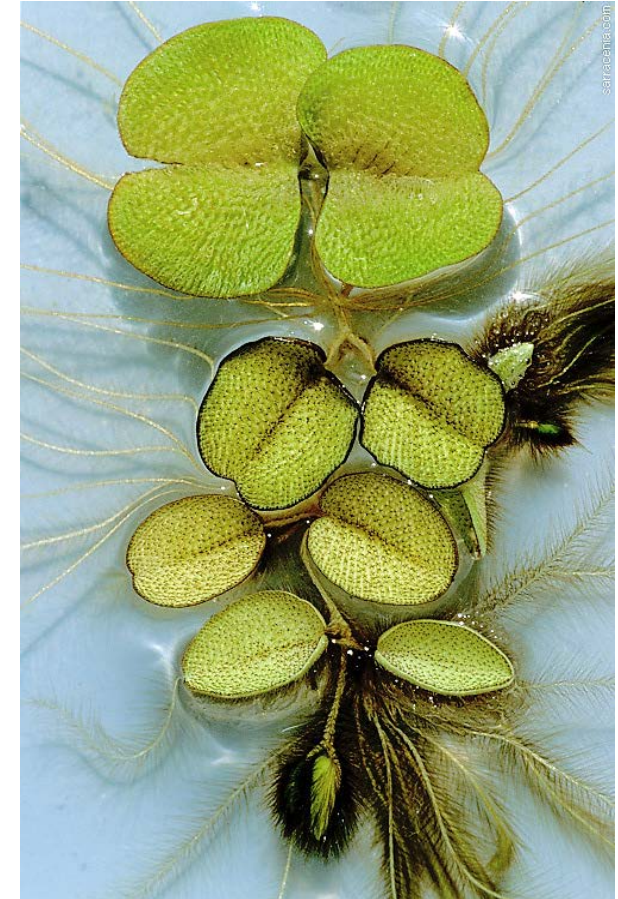
Salvina molesta - Giant salvinia



Michael D Netherland, European and Mediterranean Plant Protection Organization



Myriah Richerson, USGS, nas.er.usgs.gov



Barry Rice, inaturalist.org

Galega officinalis - Goats rue



Roger Darlington, wildflowerfinder.org



ukwildflowers.com



ukwildflowers.com

Galega officinalis - Goats rue



Heidi Kratsch, Extension.unr.edu



Heidi Kratsch, Extension.unr.edu



C. Ransom and J. Hadfield, extension.usu.edu



C. Ransom and J. Hadfield, extension.usu.edu

Pennisetum setaceum - Green Fountain grass



Provided by Curt Deuser, NPS



Sue Carnahan, swbiodiversity.org



silversea_starsong, iNaturalist.com

Pennisetum setaceum - Green Fountain Grass



Bobby Wright, ucanr.edu



public.asu.edu



Ian Clarke, vicflora.rbg.vic.gov.au

Cynoglossum officinale – Houndstongue



Robert L. Carr, gobotany.nativeplanttrust.org



R. W. Smith, michiganflora.net

Cynoglossum officinale – Houndstongue



Robert L. Carr., gobotany.nativeplanttrust.org



Robert L. Carr., gobotany.nativeplanttrust.org

Hydrilla verticillata - Hydrilla



plants.ifas.ufl.edu



plants.ifas.ufl.edu



Robert Vid#233,ki, Doronicum Kft., Bugwood.org

Centaurea iberica – Iberian starthistle



plantarium.ru



assaf nir, flora.org



Avinoam Danin, flora.org

Centaurea iberica – Iberian starthistle



Avinoam Danin, flora.org



Avinoam Danin, flora.org

Aegilops cylindrica – Jointed goatgrass



RJ Taylor, inaturalist.org



Copyright © 2007 The Regents of the University of California 5387075

Joseph M. DiTomaso, Bugwood.org



Max Licher, swbiodiversity.org

Aegilops cylindrica – Jointed goatgrass



UGA1459179

Steve Dewey, Bugwood.org



5364429

Howard Schwartz, Bugwood.org

Hypericum perforatum – Klamath weed



gardenia.net



gardenia.net

Hypericum perforatum – Klamath weed



Paul Rothrock, midwestherbaria.org



Paul Rothrock, midwestherbaria.org



Robert Barber, midwestherbaria.org

Euphorbia esula - Leafy Spurge



Andy Birkey



Steve Dewey, Utah State University, Bugwood.org



2003 © Peter M. Dziuk

Peter M. Dziuk, 2003

Euphorbia esula - Leafy Spurge



Katy Chayka, 2009



mda.state.mn.us



mda.state.mn.us

Centaurea melitensis – Malta starthistle



Gary McDonald, calflora.org



James M. Andre, calflora.org



Zoya Akulova, calflora.org

Centaurea melitensis – Malta starthistle



Laura Anna Arellano, calflora.org



Keir Morse, calflora.org



NPS, sdcwma.org

Anthemis cotula – Mayweed chamomile



Max Licher, swbiodiversity.org



© Tom Watson

Tom Watson, fieldguide.mt.gov

Anthemis cotula – Mayweed chamomile



© Robert F. Norris

Robert F Norris, calflora.org



Josie Bennett, calflora.org

Salvia aethiopsis – Mediterranean sage



salvias.org.au



salvias.org.au



Pancrat, inaturalist.org

Salvia aethiopsis – Mediterranean sage



Salicyna, inaturalist.org



Sue Winterowd, Stevens County NWCB

Sue Winterowd, nwcb.wa.gov



Sue Bird, Yakima County Noxious Weed Control Board

Sue Bird, nwcb.wa.gov

Taeniatherum caput-medusae - Medusahead



UGA1459335
Steve Dewey, Utah State University, Bugwood.org



UGA1459334
Steve Dewey, Utah State University, Bugwood.org



sarracenia.com
Barry Rice, calphotos.berkeley.edu

Lythrum salicaria/*virgatum* – Purple loosestrife



Jim Robbins, plants.ces.ncsu.edu

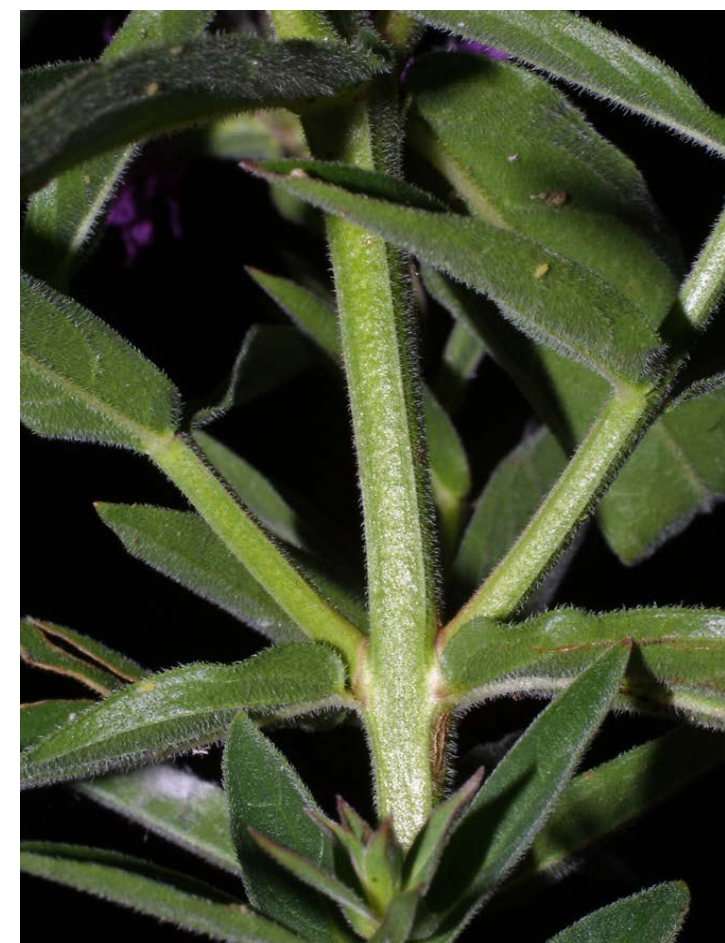


Paul Rothrock, midwestherbaria.org



Paul Rothrock, midwestherbaria.org

Lythrum salicaria/virgatum – Purple loosestrife



Steven Baskauf, cas.vanderbilt.edu



Glen Mittelhauser, mainenaturalhistory.org



Lschultz, mucc.org

Centaurea calcitrapa – Purple starthistle



Heidi Kratsch, extension.unr.edu



José María Escolano, inaturalist.org



calphotos.berkeley.edu

Centaurea calcitrapa – Purple starthistle



Neal Kramer, cal-ipc.org



Cleopatra Taday, calflora.org

Chondrilla juncea – Rush skeletonweed



John L. Thompson, calflora.org



Scott Oneto, calflora.org



Amanda Weiss, www.calflora.org

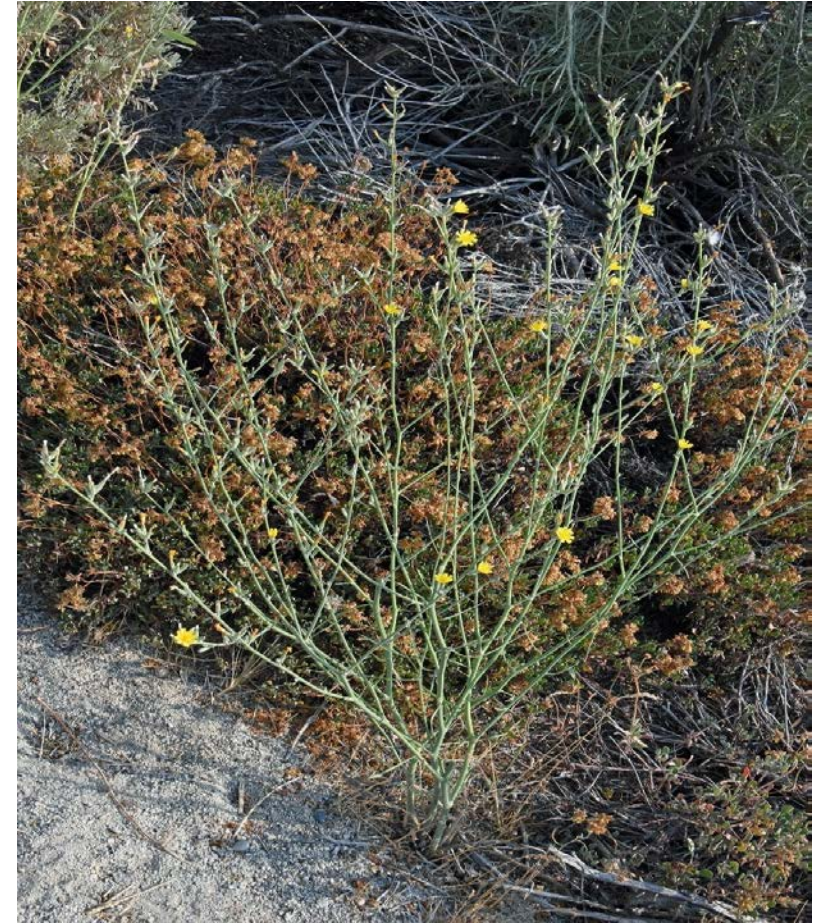
Chondrilla juncea – Rush skeletonweed



John L. Thompson, calflora.org



Bob Sweatt, calflora.org



Bob Sweatt, calflora.org

Sonchus arvensis – Perennial sowthistle



canr.msu.edu



canr.msu.edu

Sonchus arvensis – Perennial sowthistle



canr.msu.edu



canr.msu.edu

Centaurea virgata – Squarrose knapweed



Molly Elizabeth Bagley, calphotos.berkeley.edu



Steve Dewey, Utah State University, Bugwood.org

Centaurea virgata – Squarrose knapweed



Zoya Akulova, cal-ipc.org



utahweedsupervisors.com

Potentilla recta - Sulfur cinquefoil



Donald Cameron, gobotany.nativeplanttrust.org



Donald Cameron, gobotany.nativeplanttrust.org

Potentilla recta - Sulfur cinquefoil



© Keir Morse

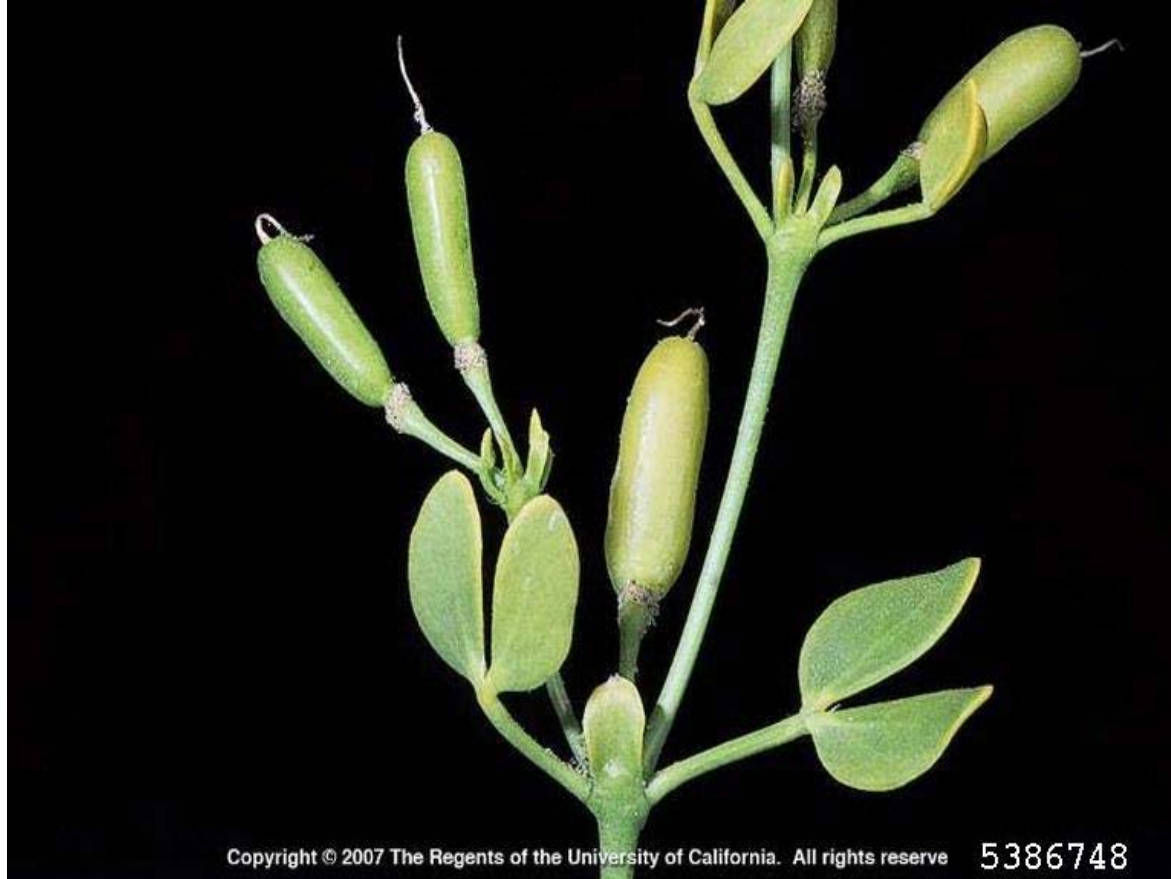
Keir Morse, cal-ipc.org



© Keir Morse

Keir Morse, cal-ipc.org

Zygophyllum fabago – Syrian beancaper



Copyright © 2007 The Regents of the University of California. All rights reserved 5386748

Joseph M. DiTomaso, University of California - Davis, Bugwood.org



UGA5077098

California Department of Food and Agriculture, CDFA, Bugwood.org

Zygophyllum fabago – Syrian beancaper



California Department of Food and Agriculture,
CDFA, Bugwood.org



Dell O. Clark, California Department of Food and Agriculture, Bugwood.org

Ventenata dubia - Ventenata



Marty Hudson, swbiodiversity.org



Marty Hudson, swbiodiversity.org



Donald Burk, calflora.org

Ventenata dubia - Ventenata



Matt Lavin, cropwatch.unl.edu

Solanum elaeagnifolium – White horenettle



Charles Russell, calflora.org



Charles Russell, calflora.org

Solanum elaeagnifolium – White horse nettle



Zoya Akulova, calflora.org



Debra L. Cook, calflora.org



Neal Kramer, calflora.org

Centaurea solstitialis – Yellow starthistle



Carol W. Witham, calphotos.berkeley.edu



Harry Rose, minnesotawildflowers.info

Centaurea solstitialis – Yellow starthistle



nwcb.wa.gov



nwcb.wa.gov



UC ANR, plantsciences.ucdavis.edu

Linaria vulgaris – Yellow toadflax



Arnstein Rønning, texasinvasives.org



Linda Wilson, University of Idaho, Bugwood.org



Bob Sweatt, calflora.org