



NOXIOUS SPECIES

IDENTIFICATION GUIDE

VALUE AND QUALITY ASSURANCE SECTION





BLANK PAGES ARE INTENTIONALLY LEFT BLANK.

DOCUMENT SET UP TO PRINT TWO-SIDED.

Sources of information and other photographs:

DiTomaso, J., & Healy, E. (2007). In *Weeds of California and Other Western States* (Vol. 1 and Vol. 2). Oakland: Regents of the University of California.

SOUTHWEST ENVIRONMENTAL INFORMATION NETWORK, SEINet. 2014. <http://swbiodiversity.org/seinet/index.php>. Accessed in October.

USDA, NRCS. 2014. The PLANTS Database (<http://plants.usda.gov>, 03 September 2014). National Plant Data Team, Greensboro, NC 27401-4901 USA.

(1996). In T. Whitson (Ed.), *Weeds of the West* (5th ed.). Newark, CA: The Western Society of Weed Science in cooperation with the Western United States Land Grant Universities Cooperative Extension Services.

Photographs are credited to Value and Quality Assurance Section unless otherwise credited to others.

contents



trees + shrubs



Tree of Heaven
(*Ailanthus altissima*)

3



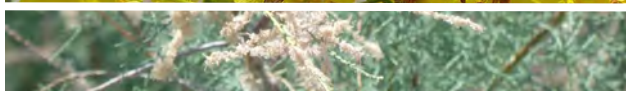
Desertbroom
(*Baccharis sarothroides*)

4



Jerusalem Thorn
(*Parkinsonia aculeata*)

5



Saltcedar
(*Tamarix* spp.)

6



grasses



Jointed Goatgrass
(*Aegilops cylindrica*)

9



Camelthorn
(*Alhagi maurorum*)

10



Giant Reed
(*Arundo donax*)

11



Wild Oat
(*Avena fatua*)

12



Southern Sandbur
(*Cenchrus echinatus*)

13



Coastal Sandbur / Field Sandbur
(*Cenchrus spinifex*)

14



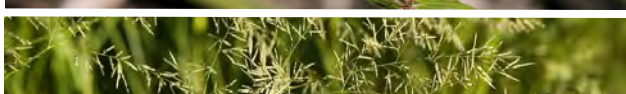
Bermudagrass
(*Cynodon dactylon*)

15



Hairy Crabgrass
(*Digitaria sanguinalis*)

16



Lehmann Lovegrass
(*Eragrostis lehmanniana*)

17



Buffelgrass
(*Pennisetum ciliare*)

18



Fountaingrass
(*Pennisetum setaceum*)

19



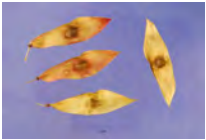
Johnsongrass
(*Sorghum halepense*)

20

23	Russian Knapweed (<i>Acroptilon repens</i>)	
24	Carelessweed (<i>Amaranthus palmeri</i>)	
25	Kochia / Burningbush (<i>Bassia scoparia</i>)	
26	Black Mustard (<i>Brassica nigra</i>)	
27	Sahara Mustard (<i>Brassica tournefortii</i>)	
28	Diffuse Knapweed (<i>Centaurea diffusa</i>)	
29	Maltese Starthistle (<i>Centaurea melitensis</i>)	
30	Yellow Starthistle (<i>Centaurea solstitialis</i>)	
31	Field Bindweed (<i>Convolvulus arvensis</i>)	
32	Common Sunflower (<i>Helianthus annuus</i>)	
33	Camphorweed (<i>Heterotheca subaxillaris</i>)	
34	Dalmatian Toadflax (<i>Linaria dalmatica</i>)	
35	Yellow Sweetclover (<i>Melilotus officinalis</i>)	
36	Scotch Thistle (<i>Onopordum acanthium</i>)	
37	Tumbleweed / Prickly Russian Thistle (<i>Salsola tragus</i>)	
38	Silverleaf Nightshade (<i>Solanum elaeagnifolium</i>)	
39	Puncturevine (<i>Tribulus terrestris</i>)	
40	Common Mullein (<i>Verbascum thapsus</i>)	



Tree of Heaven (*Ailanthus altissima*)

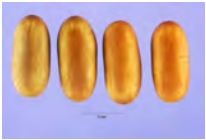
General Information	Source listing	Noxious Status	Duration	Seed
Grows in riparian areas. Up to 65' tall.	TNF AZ FED	PNW RNW RGNW	Perennial	

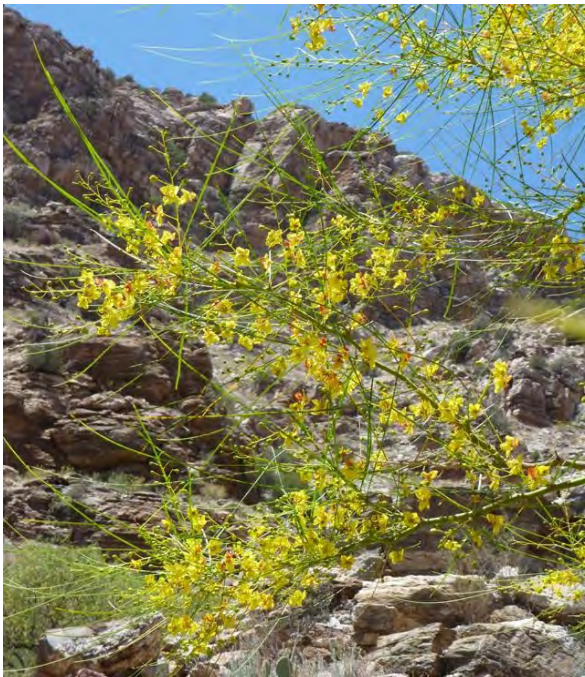


General Information	Source listing	Noxious Status	Duration	Seed
Arizona Native.	TNF	PNW	Perennial	Not Available
Up to 10' tall.	AZ	RNW		
	FED	RGNW		



Jerusalem Thorn (*Parkinsonia aculeata*)

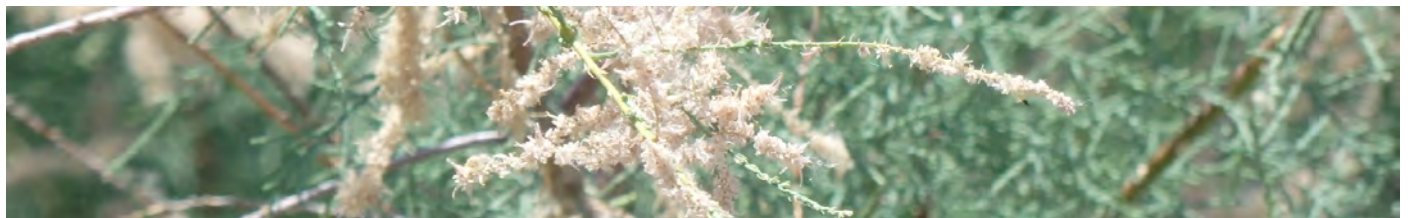
General Information	Source listing	Noxious Status	Duration	Seed
Arizona Native. Up to 40' tall.	TNF AZ FED	PNW RNW RGNW	Perennial	



Left. Photo Credit: Liz Makings from SEINet Research Database
Top right and bottom right. Photo Credit: Max Licher from SEINet Research Database



General Information	Source listing	Noxious Status	Duration	Seed
-	TNF	PNW	Perennial	Not Available
	AZ	RNW		
	FED	RGNW		





Jointed Goatgrass (*Aegilops cylindrica*)

General Information	Source listing	Noxious Status	Duration	Seed
Up to 2.5' tall.	TNF	PNW	Annual	
	AZ	RNW		
	FED	RGNW		



Photo Credit: USDA APHIS PPQ Archive, USDA APHIS PPQ, Bugwood.org



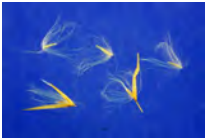
General Information	Source listing	Noxious Status	Duration	Seed
Up to 4' tall.	TNF	PNW	Perennial	Not Available
	AZ	RNW		
	FED	RGNW		



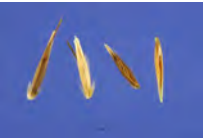
All photos. Photo Credit: Max Licher from SEINet Research



Giant Reed (*Arundo donax*)

General Information	Source listing	Noxious Status	Duration	Seed
Up to 20' tall.	TNF	PNW	Perennial	
	AZ	RNW		
	FED	RGNW		



General Information	Source listing	Noxious Status	Duration	Seed
Up to 4' tall.	TNF	PNW	Annual	
	AZ	RNW		
	FED	RGNW		



Left. Photo Credit: Mark W. Skinner, hosted by the USDA-NRCS PLANTS Database
Right. Photo Credit: Max Licher from SEINet Research



Southern Sandbur (*Cenchrus echinatus*)

General Information	Source listing	Noxious Status	Duration	Seed
Up to 8" tall.	TNF	PNW	Annual	Not Available
	AZ	RNW		
	FED	RGNW		



All photos. Photo Credit: Forest and Kim Starr from SEINet Research



General Information	Source listing	Noxious Status	Duration	Seed
Up to 11" tall.	TNF	PNW	Annual	Not Available
	AZ	RNW	Perennial	
	FED	RGNW		



All photos. Photo Credit: Max Licher from SEINet Research



Bermudagrass (*Cynodon dactylon*)

General Information	Source listing	Noxious Status	Duration	Seed
Up to 2" tall.	TNF	PNW	Perennial	
	AZ	RNW		
	FED	RGNW		



General Information	Source listing	Noxious Status	Duration	Seed
Up to 2' tall.	TNF	PNW	Annual	Not Available
	AZ	RNW		
	FED	RGNW		



Left. Photo Credit: The Morton Arboretum from SEINet Research

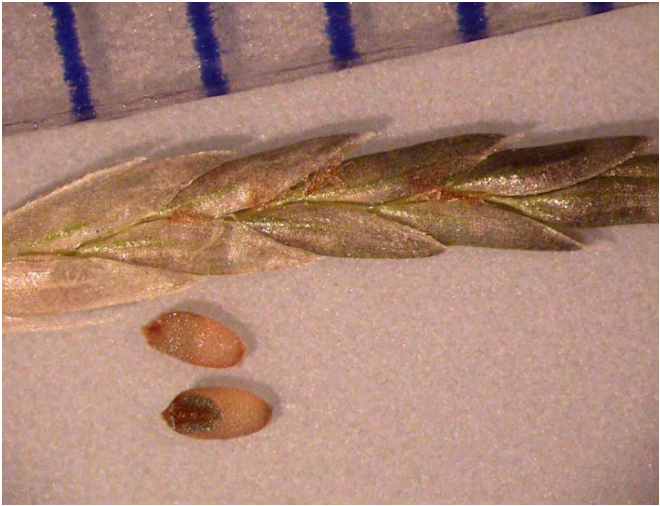
Top right. Photo Credit: Max Licher from SEINet Research

Bottom right. Photo Credit: Patrick Alexander from SEINet Research



Lehmann Lovegrass (*Eragrostis lehmanniana*)

General Information	Source listing	Noxious Status	Duration	Seed
Up to 2' tall.	TNF	PNW	Perennial	
	AZ	RNW		
	FED	RGNW		



Top left. Photo Credit: Max Licher from SEINet Research
Bottom left. Photo Credit: Liz Makings from SEINet Research
Top right and bottom right. Photo Credit: Patrick Alexander



General Information

Up to 3' tall.

Source listing

TNF

AZ

FED

Noxious Status

PNW

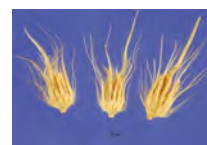
RNW

RGNW

Duration

Perennial

Seed



Fountaingrass (*Pennisetum setaceum*)

General Information	Source listing	Noxious Status	Duration	Seed
Up to 3' tall.	TNF	PNW	Perennial	Not Available
	AZ	RNW		
	FED	RGNW		



General Information

Up to 8' tall.

Source listing

TNF

AZ

FED

Noxious Status

PNW

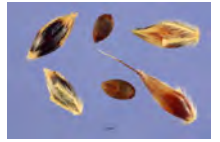
RNW

RGNW

Duration

Perennial

Seed





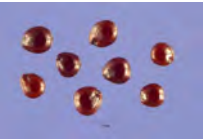
Russian Knapweed (*Acroptilon repens*)

General Information	Source listing	Noxious Status	Duration	Seed
Up to 4' tall.	TNF	PNW	Perennial	
	AZ	RNW		
	FED	RGNW		



All two photos above. Photo Credit: Max Licher from SEINet Research



General Information	Source listing	Noxious Status	Duration	Seed
Up to 5' tall.	TNF	PNW	Annual	
	AZ	RNW		
	FED	RGNW		



Top left. Photo Credit: Max Licher from SEINet Research

Bottom left. Photo Credit: Patrick Alexander from SEINet Research

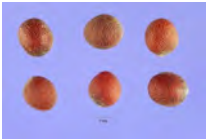
Right. Photo Credit: Michael J. Plagens from SEINet Research



Kochia / Burningbush (*Bassia scoparia*)

General Information	Source listing	Noxious Status	Duration	Seed
Up to 2' tall.	TNF	PNW	Annual	
	AZ	RNW		
	FED	RGNW		



General Information	Source listing	Noxious Status	Duration	Seed
Up to 6.5' tall.	TNF	PNW	Annual	
	AZ	RNW		
	FED	RGNW		



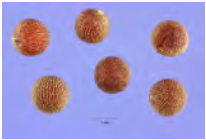
Courtesy of the Forest Preserve District of DuPage County



Left. Photo Credit: Morton Arboretum from SEINet Research Database
Top and Bottom Right. Photo Credit: Max Licher from SEINet Research Database



Sahara Mustard (*Brassica tournefortii*)

General Information	Source listing	Noxious Status	Duration	Seed
Up to 4' tall.	TNF	PNW	Annual	
	AZ	RNW		
	FED	RGNW		



General Information	Source listing	Noxious Status	Duration	Seed
Up to 3' tall.	TNF	PNW	Annual	Not Available
	AZ	RNW	Perennial	
	FED	RGNW		



General Information	Source listing	Noxious Status	Duration	Seed
Up to 2' tall.	TNF	PNW	Annual	Not Available
	AZ	RNW	Biennial	
	FED	RGNW		



All photos. Photo Credit: Max Licher from SEINet Research



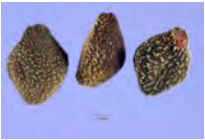
General Information	Source listing	Noxious Status	Duration	Seed
Up to 3' tall.	TNF	PNW	Annual	Not Available
	AZ	RNW		
	FED	RGNW		



All photos. Photo Credit: Max Licher from SEINet Research



Field Bindweed (*Convolvulus arvensis*)

General Information	Source listing	Noxious Status	Duration	Seed
Up to 4' tall.	TNF	PNW	Perennial	
	AZ	RNW		
	FED	RGNW		



All photos. Photo Credit: Max Licher from SEINet Research



General Information

Up to 10' tall.

Source listing

TNF

AZ

FED

Noxious Status

PNW

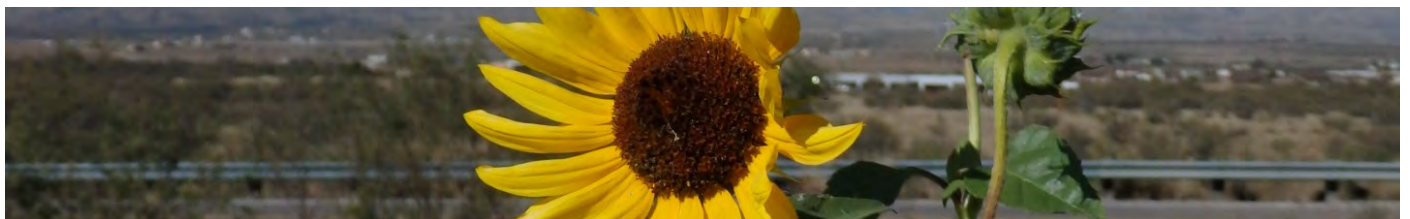
RNW

RGNW

Duration

Annual

Seed



Camphorweed (*Heterotheca subaxillaris*)

General Information	Source listing	Noxious Status	Duration	Seed
Up to 6' tall.	TNF	PNW	Annual	
	AZ	RNW		
	FED	RGNW		



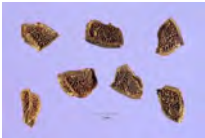
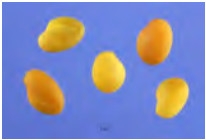
General Information	Source listing	Noxious Status	Duration	Seed
Up to 3' tall.	TNF	PNW	Perennial	
	AZ	RNW		
	FED	RGNW		



Photo Credit: Susan Turner, British Columbia Ministry of Forests, Bugwood.org



Yellow Sweetclover (*Melilotus officinalis*)

General Information	Source listing	Noxious Status	Duration	Seed
Up to 6.5' tall.	TNF	PNW	Annual	
	AZ	RNW	Biennial	
	FED	RGNW	Perennial	



All photos. Photo Credit: Max Licher from SEINet Research



General Information

Up to 12' tall.

Source listing

TNF

AZ

FED

Noxious Status

PNW

RNW

RGNW

Duration

Biennial

Seed



All photos above. Photo Credit: Max Licher from SEINet Research



Tumbleweed (*Salsola tragus*)

General Information	Source listing	Noxious Status	Duration	Seed
Up to 3' tall.	TNF	PNW	Annual	Not Available
	AZ	RNW		
	FED	RGNW		



General Information

Up to 3' tall.

Source listing

TNF

AZ

FED

Noxious Status

PNW

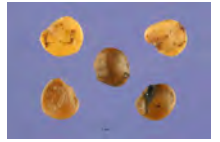
RNW

RGNW

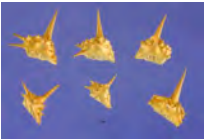
Duration

Perennial

Seed



Puncturevine (*Tribulus terrestris*)

General Information	Source listing	Noxious Status	Duration	Seed
-	TNF	PNW	Annual	
	AZ	RNW		
	FED	RGNW		



Top. Photo Credit: Patrick J. Alexander hosted by the USDA-NRCS PLANTS Database
Bottom. Photo Credit: Max Licher from SEINet Research Database



General Information

Up to 5' tall.

Source listing

TNF

AZ

FED

Noxious Status

PNW

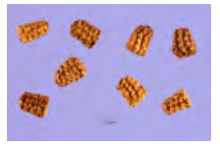
RNW

RGNW

Duration

Annual

Seed



All photos. Photo Credit: Max Licher from SEINet Research

