

This does not constitute a formal recommendation. When using herbicides always read the label, and when in doubt consult your farm advisor or county agent.

This is an excerpt from the book *Weed Control in Natural Areas in the Western United States* and is available wholesale through the UC Weed Research & Information Center (wric.ucdavis.edu) or retail through the Western Society of Weed Science (wsweedscience.org) or the California Invasive Species Council (cal-ipc.org).

Butomus umbellatus

Flowering rush

Family: Butomaceae (flowering rush)

NON-CHEMICAL CONTROL

<i>Biological:</i> grass carp	NIA
<i>Cultural:</i> benthic barrier	P
<i>Cultural:</i> drawdown	P
<i>Cultural:</i> shading	P
<i>Mechanical:</i> cutting	P plants produce no viable seed but resprout with underground rhizomes
<i>Mechanical:</i> hand pulling or vacuuming	P plants produce no viable seed but underground rhizomes difficult to remove

CHEMICAL CONTROL

The following specific use information is based on published papers and reports by researchers and land managers. Other trade names may be available, and other compounds also are labeled for this weed. Directions for use may vary between brands; see label before use.

<i>Dye:</i> Aquashade	P
<i>Herbicide:</i> 2,4-D	F–G with triclopyr; variable results
<i>Herbicide:</i> Acrolein	P
<i>Herbicide:</i> Bispyribac-sodium	NIA
<i>Herbicide:</i> Copper formulations	P
<i>Herbicide:</i> Diquat	P
<i>Herbicide:</i> Endothall	F–G variable results
<i>Herbicide:</i> Flumioxazin	F–G variable results
<i>Herbicide:</i> Fluridone	NIA
<i>Herbicide:</i> Glyphosate	NIA
<i>Herbicide:</i> Imazamox	F–G variable results
<i>Herbicide:</i> Imazapyr	F–G variable results
<i>Herbicide:</i> Penoxsulam	NIA
<i>Herbicide:</i> Triclopyr	F–G variable results

- E** = Excellent control, generally better than 95%
G = Good control, 80-95%
F = Fair control, 50-80%
P = Poor control, below 50%

Control includes effects within the season of treatment.

Control is followed by best timing, if known, when efficacy is **E** or **G**.

***** = Likely based on results of observations of related species

NIA = No information available

RECOMMENDED CITATION: DiTomaso, J.M., G.B. Kyser et al. 2013. *Weed Control in Natural Areas in the Western United States*. Weed Research and Information Center, University of California. 544 pp.