REGIONAL SPECIES MAP REPORT: Map View
Acroptilon repens (Russian knapweed)

Cal-IPC Rating: Moderate
Other ratings: CDFA B, Bay Area (BAEDN) priority target


Photo courtesy of: David Chang

Species Description: *Acroptilon repens* (Russian knapweed) is a perennial forb (family *Asteraceae*) found heavily through out California. It may have allelopathic properties. This plant is toxic to horses and crowds out native species.

Additional information: See Cal-IPC's Plant Profiles or Calflora's Taxon Report

Abundance
- low
- medium
- high

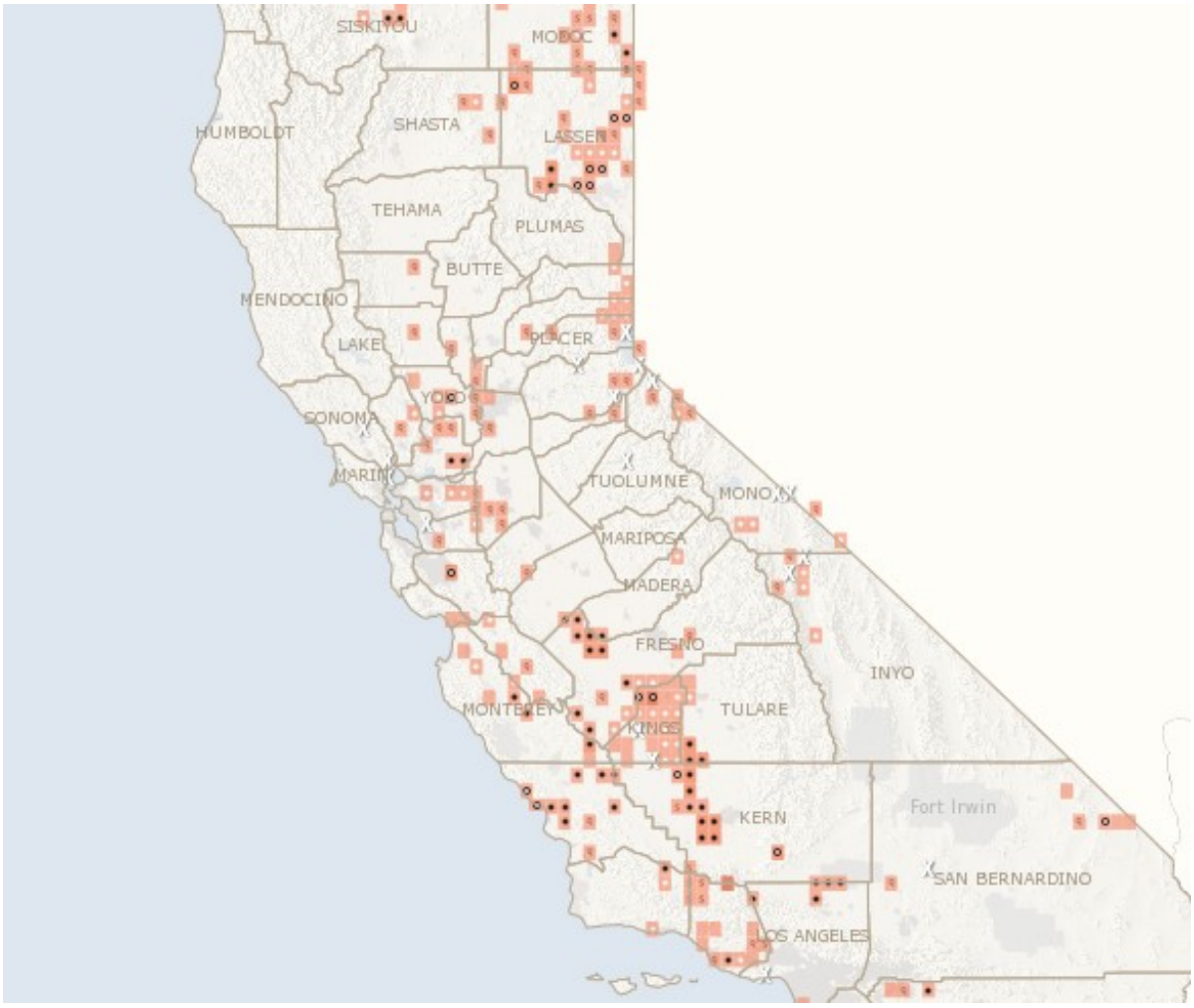
Trend
- Spreading
- Managed, spreading
- Managed, decreasing
- Eradicated

Verification Needed
- Q Verify Quad
- S Verify Species

N

0 34 68 102 136 mi

Abundance and trend by USGS 7.5-minute quadrangle. See **?** on Maps for additional information on map legend.



How To Use This Report

This report provides distribution and suitability maps that can be used in conjunction with the Report on Management Opportunities as a starting place for setting regional priorities. The maps show the spatial factors that determine surveillance, eradication, and containment opportunities.

Suitability maps can be used to further assess the potential for an invasive plant species to spread into a new area. Predicted change in future suitability allow natural resource managers to prepare for new conditions, and may be used to elevate or demote the priority of a particular species in a particular area.

For current distribution, we interviewed local experts to determine abundance, spread and management by USGS 7.5-minute quadrangle (approximately 8 mi x 6 mi). We also incorporated occurrence data from Calflora, the Consortium of California Herbaria, and other collected datasets.

CalWeedMapper displays projected suitable range in 2010, projected suitable range in 2050, and the change (expansion or reduction) in range between those dates. Suitable range for 2050 shows areas where at least four of the 17 GCMs agreed. Our projections are based on climate only and do not consider factors such as soil, vegetation communities, and methods of spread. For more detailed information on our methods, click here.

Change in Suitable Range, 2010 - 2050

Suitable range indicates area where suitability for this species is unchanged from 2010-2050.

Expanded range indicates area which is unsuitable in 2010 but is projected to be suitable in 2050.

Reduced range indicates area which is suitable in 2010 but is projected to be unsuitable in 2050.

Climate change scenario: A2
Occurrence points used: 193
Minimum distance between occurrences: 0.008300
Area under the curve (AUC): 0.882000
Applied threshold (specificity equals sensitivity): 0.218000