Early Detection and Rapid Response (EDRR) Program

Ward's Weed: Status Report 7-2019



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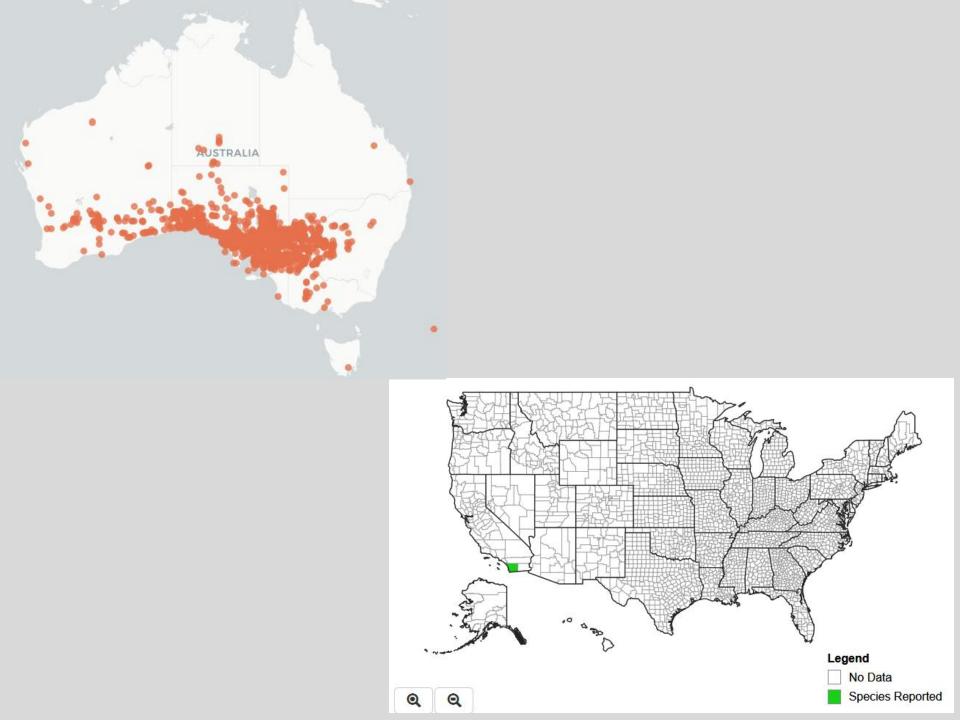


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San Diego Region



#1 Carlsbad, La Costa:

- Under treatment
- CNLM, County AWM (EMP)

#2 Carlsbad, Bressi Ranch:

- Starting treatment
- Nature Collective, & County AWM (EMP)

#3 Camp Pendleton:

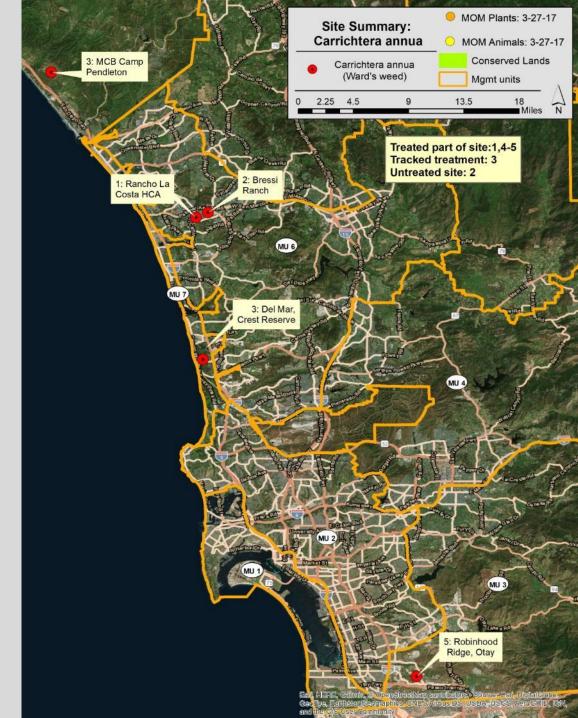
- Under treatment
- DoD

#4 Del Mar:

- Under treatment
- County AWM (EMP)

#5 Otay:

- Under treatment
- City San Diego









Ward's Weed Treatment Methods:

Gallery (isoxaben): pre-emergent

Very good broadleaf control, works over woody vegetation

Telar (chlorsulfuron): post and pre-emergent, spot treatments

broad-spectrum, effective on mustards, controls annuals/seedlings

Glyphosate: post emergent, spot treatments

broad spectrum

Hand pulling: post emergent

Ward's Weed Carlsbad Project:

work will start winter 2019/2020

Nature Collective:

- Main Bressi Ranch area: 136 acres
- CDFW Prop 1 funding 100k over 3 years

County of San Diego, Ag Weights and Measures:

- Eastern and southern areas: 44 acres
- CDFA WMA funding 60k, two years

City of Carlsbad:

- Long term re-treatments (180 acres) and any missed areas
- City Funding 100k, three to five years













Invasive Species Alert

Common name: Ward's weed

Scientific name: Carrichtera annua (L.) DC.

Origin:

 Mediterranean region and Western Asia (native), invasive in Australia

Identifying Factors:

- -Small bristly-haired plant, 5-40 cm
- -Leaves: < 10 cm and deeply divided into multiple narrow lobes
- Flowers: pale yellow, 4 petals, 8-9 mm with purple veins
- -Fruit: 6-8 mm in drooping position, topped with spoon-shaped petals









Dispersal:

Above Photos: Bob & Fiona Richardson

- -Seeds dispersed via foraging animals and ants over short distances
- -Long distance dispersal on vehicles, clothing, large animals, and agriculture

Impacts:

-Replaces perennial native species in some environments

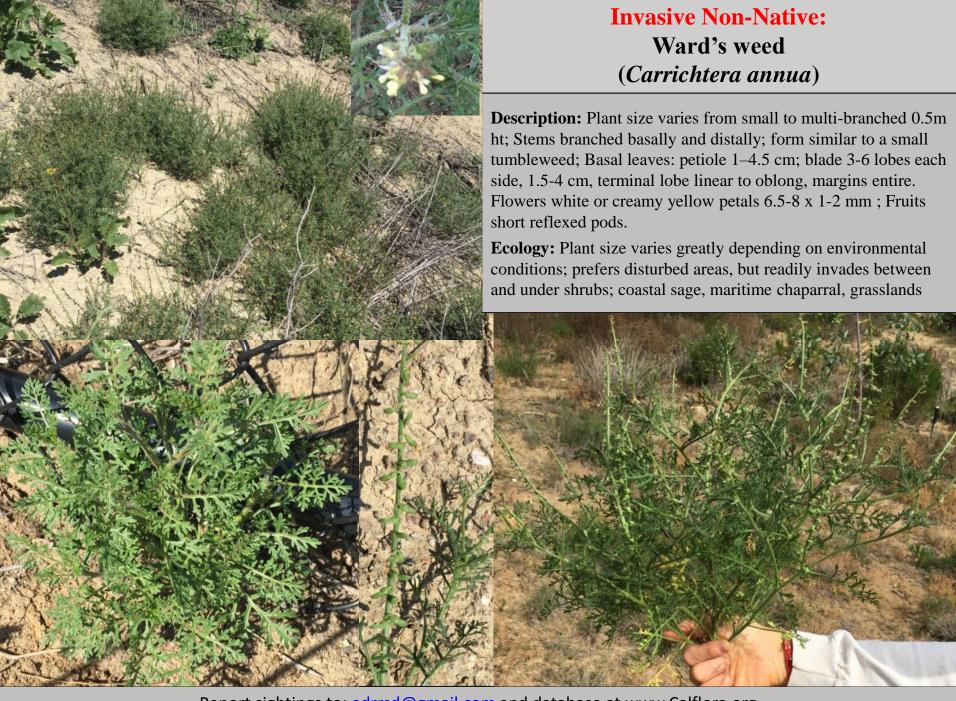
Looks Like:

-Some resemblance to western tansymustard

Management:

-If spotted please notify Sara Allen: smallen@sandiego.gov & Victor Nava: Vnava@sandiego.gov to schedule treatment ASAP.





Report sightings to: edrrsd@gmail.com and database at www.Calflora.org