

Weedy Rice Update

October 2022 Update

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Historical Background


- Problem in all rice producing areas of the world
- First reported in the southern US in 1846
- By 1898, rice fields in Louisiana had to be abandoned
- In California, weedy rice was an important weed from 1920s-1950s
 - “Virtually eliminated”: water seeding and certified seed


Home

GUIDELINES FOR GROWERS

- Variety
- DD Model/Crop development
- Stand Establishment
- Water Use Management
- Fertilizer
- Insects & Other Pests
- Diseases
- Weeds
- Harvest & Grain Quality
- Straw Management
- Production Costs
- Delta Rice

PRIMARY CONTACTS

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Welcome to UC Rice Research and Information Center

We are an interdisciplinary team consisting of UC Cooperative Extension specialists, faculty and farm advisors dedicated to providing rice growers with up-to-date guidelines and information on rice production in California.

Upcoming Meetings & Events

**IPM in Rice Workgroup Meeting:
Crop Rotation Calculator**

February 16, 2022, UCCE Office, 142 Garden Highway, Yuba City

[IPM Rice Workgroup Agenda](#)

**2022 Winter Grower Meetings POSTPONED
NEW DATES**

Richvale: Monday, **March 14**, 8:30am, Evangelical Church, 5219 Church St., Richvale

Willows: Monday, **March 14**, 1:00pm, Glenn County Office of Education, 311 South Villa Avenue, Willows

Colusa: Tuesday, **March 15**, 8:30 am, Community Center, Colusa County Fairgrounds, 10th Street (Hwy 20), Colusa

Yuba City: Tuesday, **March 15**, 1:00 pm, UCCE Office, 142 Garden Highway, Yuba City

Woodland: Wednesday, **March 16**, 8:30 am, Norton Hall, 70 Cottonwood St, Woodland

FACT SHEETS

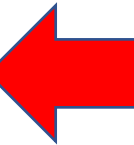
2020 RICE YIELD CONTEST WINNER

Armyworm Information

WEEDY RICE INFORMATION

[Identifying and Reporting Weedy Rice Training](#)

LOOKING FOR WILD RICE?



Certified Seed Acreage

Year	Certified seed Acreage	CA paddy rice acreage
1912	0	1000
1915	0	30,000
1920	0	162,000
1925	?	103,000
1930	?	110,000
1935	?	100,000
1940	385	118,000
1945	1,654	235,000
1950	3,636	238,000
1955	3,811	329,000
1960	7,005	288,000
1965	8,870	327,000
1970	11,731	331,000
1975	20,754	525,000

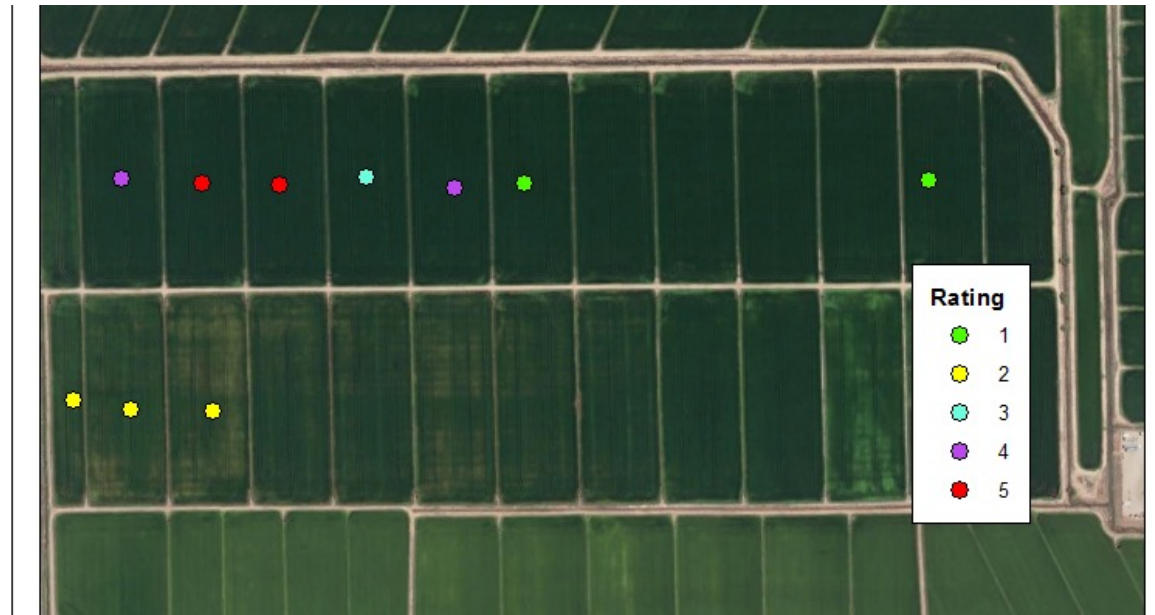
Weedy Rice Status in California

- Infestations rarely found during 1950-2000s
- A few fields found infested starting in 2003 with one type (3)
- Other types found starting in 2016
- Estimate of infested acreage (14,000 acres) using fields
- Detailed field survey conducted in 2020 and 2021



Weedy Rice Status in California

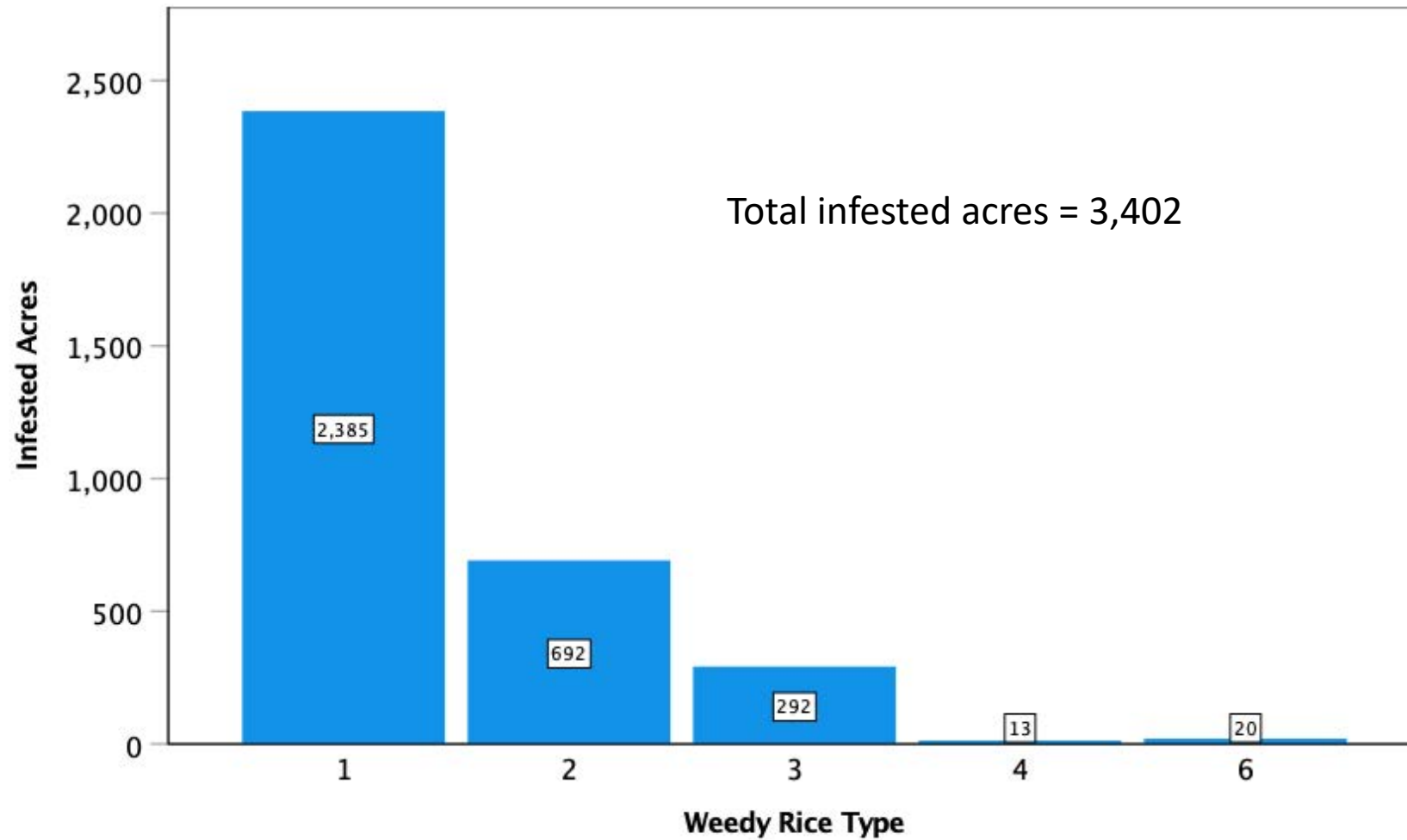
- When weedy rice plants were found, the BASIN was considered infested



Weedy Rice Status in California

- Infested FIELDS inspected = 12,947 acres
- Infested BASINS = 3,402 acres
- On average, for infested fields, only 25% of checks have weedy rice

Weedy Rice Types



Types Distribution

Weedy Rice Type



1



2



3



4



6



Weedy Rice Infestation Rating

Rating	Description
0	No weedy rice found/ fallow or rotated to different crop
1	Less than ten individual plants and no plant patches
2	More than ten individual plants and no plant patches
3	Less than five patches of plants
4	More than five patches
5	10%-25% of basin infested
6	25% or more of basin infested



Rating 1 – less than 10 individual plants and no patches



Rating 2 – more than 10 individual plants and no patches



Rating 3 – Less than five patches

Rating 4 – More than five patches

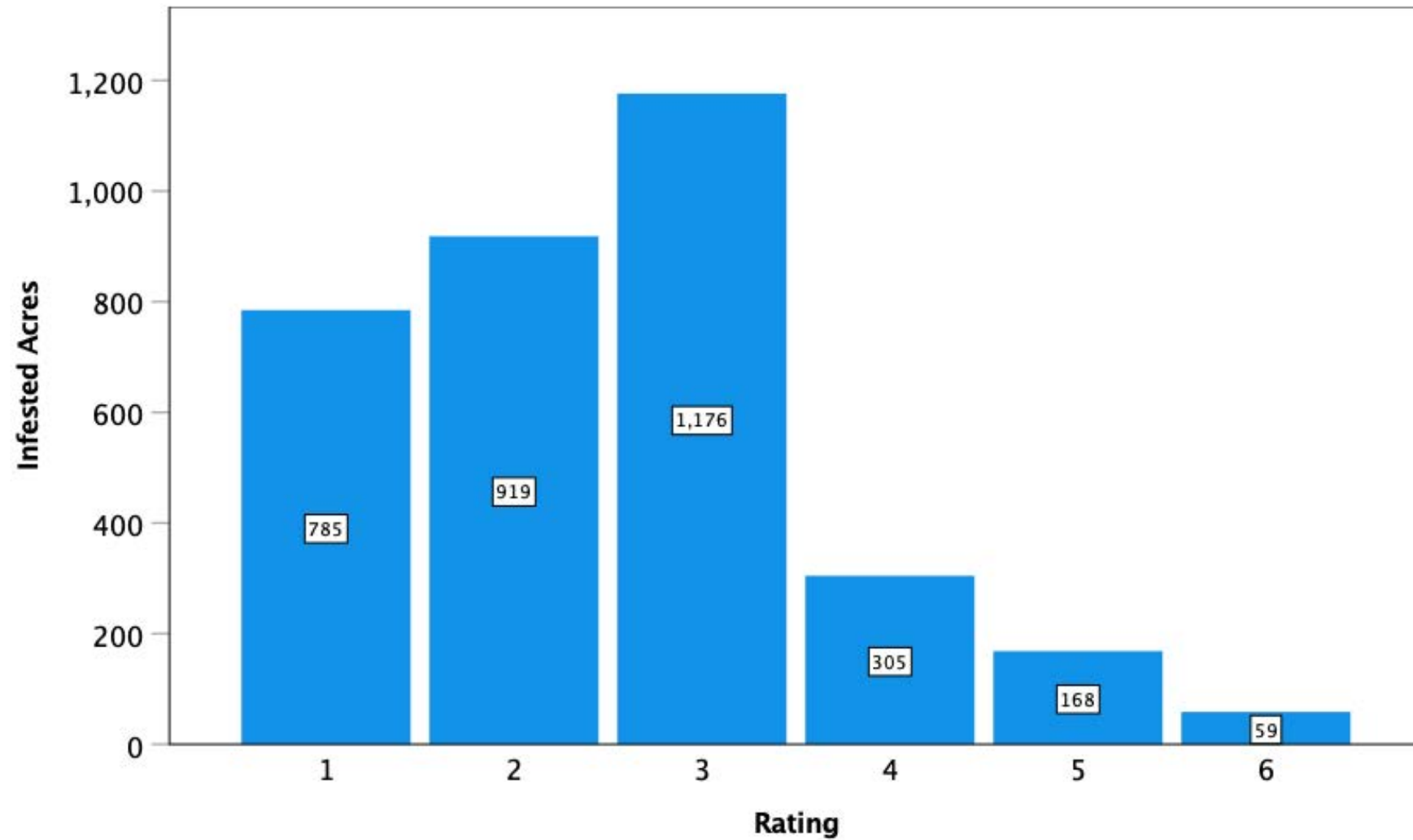


Rating 5 – 10-25% of basin infested

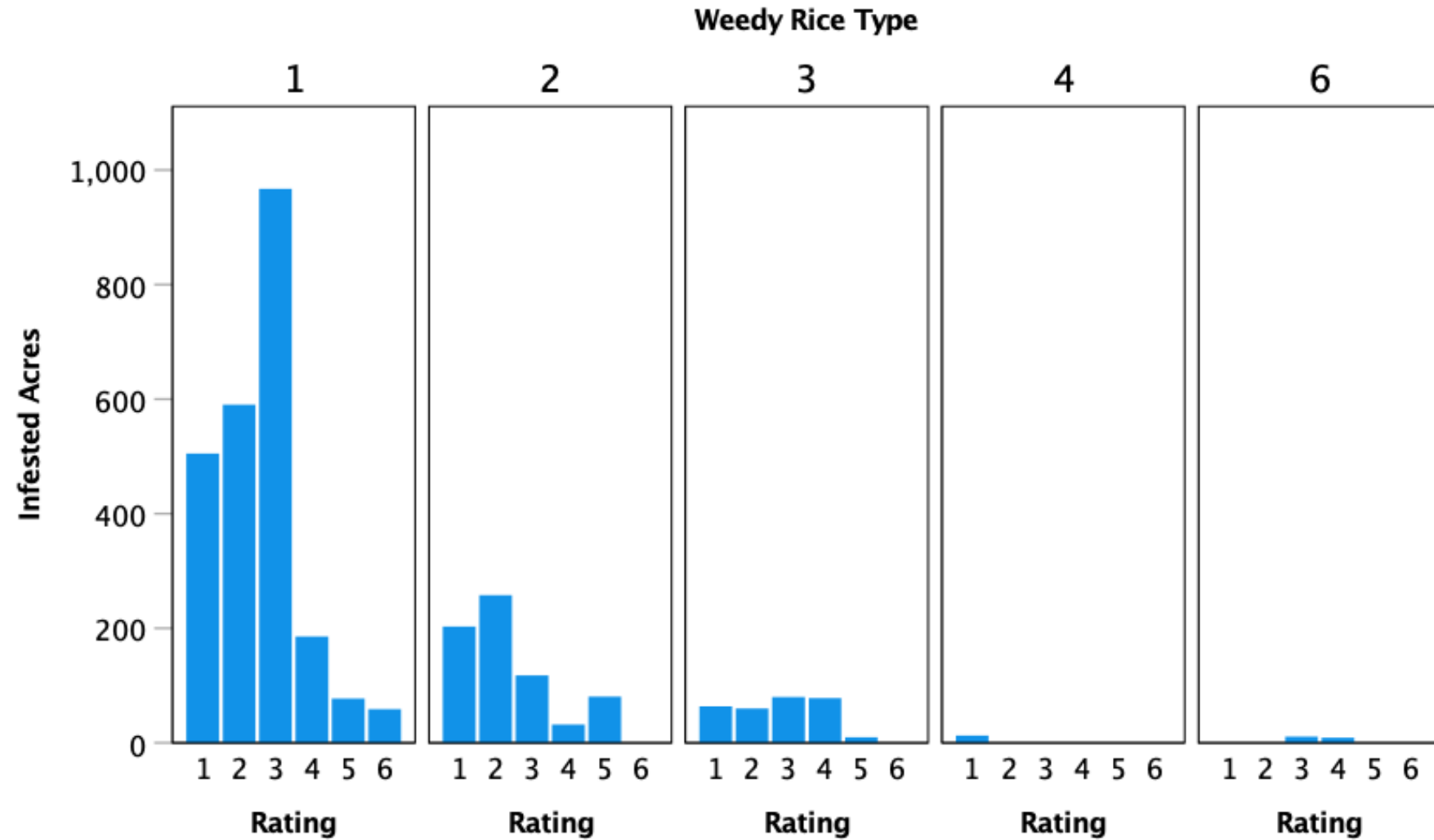


Rating 6 – more than 25% of basin infested

Infestation Rating



Infestation Rating by Type



Rating Distribution

Weedy Rice Rating



1



2



3



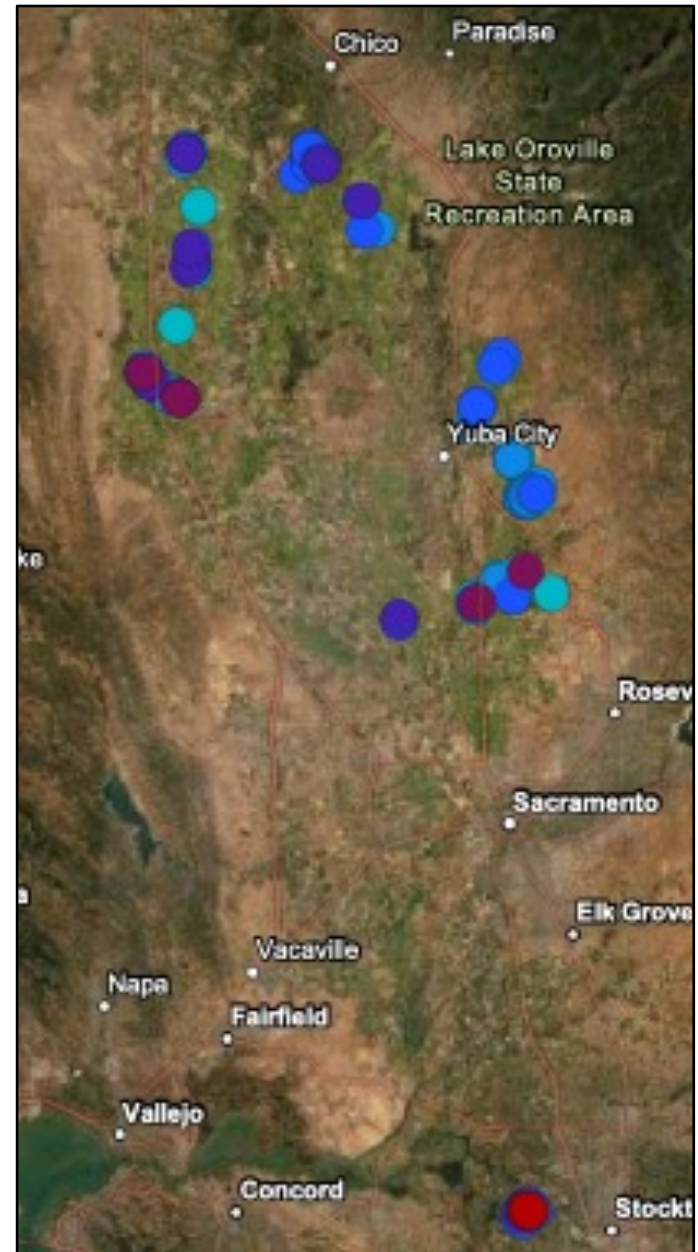
4



5



6



Conclusions

- Type 1 most widely distributed, most severe
- Type 3 only on the west side
 - Identified 20 years ago, difficult to eradicate, but not expanding
- Type 4 and 6 only in one location each
 - In same location for several years, not getting worse
- Most infestations are rating 3 or less



Weedy Rice Best Management Practices

Planting

- Use certified seed

Season

- Scouting and identification
 - After all herbicides have been applied
- Roguing
- Continuous flood
- Spot treatment – Suppress herbicide



Weedy Rice Best Management Practices

Harvest

- Harvest infested fields last
- Avoid striper header
- Clean equipment

Winter management

- Burn if possible
- Use propane burner in hot spots
- Do not till so that weedy rice seeds are not buried
- Winter flood



Weedy Rice Best Management Practices

Managed fallow

- Do not till
- Flood to promote weedy rice emergence
- Apply glyphosate or lightly disk to kill plants
- Repeat if possible
- Best practice to reduce severe infestations

