

**WEED MANAGEMENT PROGRAMS  
NEVADA IRRIGATION DISTRICT  
JANUARY 2022**

**NEVADA IRRIGATION DISTRICT BACKGROUND INFORMATION**

Formed in 1921, Nevada Irrigation District (NID) supplies irrigation and treated water to approximately 23,000 customers within its 287,000-acre boundary, comprised within Nevada, Placer and Yuba Counties. The District operates and maintains 151 canals, approximately 460 miles in length, carrying water to irrigation customers and to the District's eight water treatment plants. Water flows in the canals range from 1 cfs to 130 cfs.

**NON-CROP WEED MANAGEMENT PROGRAMS**

**Terrestrial Weed Management**

**Bare Ground Herbicide Program**

**Canal Berms and Access Roads:** The majority of these roads are dirt and are maintained weed free. Primary herbicides to be used in 2022 are:

Dimension 2EW and Gallery SC, Flumigard / Payload, Portfolio 4F California Rodeo, Roundup Custom, Tribune

**Inside Berms and De-Watered Canals:** The water season ends October 15 and begins again April 1. During the off-irrigation season, the banks and bottoms (of De-watered canals) are treated with a pre-emergent herbicide. Primary herbicides to be used in 2021 are:

Payload and Rodeo/Roundup Custom (de-watered canals)  
Portfolio 4F California and Rodeo (down to high water mark)

**Industrial Sites:** This includes tank and pump sites, water treatment facilities, power plants, dam faces, etc. Primary herbicides to be used in 2022 are:

Dimension 2EW, Gallery SC, Flumigard and Rodeo/Roundup Custom

The above-products are used during the off irrigation season of October 16 through March 30.

**Vegetation Management Program**

**Broadleaf Control on Grassed Areas:** There are limited areas maintained with grasses for erosion control purposes. Primary herbicides to be used in 2022 are:

Dimension 2EW, Capstone, Milestone

## **Vegetation Management Program (continued)**

**Post-Emergent Herbicide Applications:** This includes all weeds during the irrigation season, terrestrial (non-aquatic). Primary herbicides to be used in 2022:

Alligare Imox, Capstone (poison oak and blackberries), Milestone (broadleaf weeds)  
Roundup Custom, Rodeo, Tribune

Alligare Imox, Capstone, Garlon 3A, Milestone, Rodeo, Roundup Custom and Tribune can be used year-round.

**Alternative Control Methods:** We use alternative methods on areas that are suited for these operations and where they make fiscal sense. These methods include:

Biological controls  
Goats/Livestock  
Hand cleaning/Weedeating  
Mechanical cleaning  
Mowing  
Thermal unit

## **Aquatic Weed Management**

NID has operated under an NPDES permit since at least 2004. All aquatic weed herbicide applications are scheduled in advance. All of the customers are notified of the schedule and the operating procedures to follow before, during and after the application. Irrigation canal "spills" are closed during the herbicide application to prevent herbicides from reaching water that is defined as "Waters of The United States." There are three sites where water goes back into natural waterways. These locations are noted in the NPDES and are monitored before, during and after each application. A biological evaluation is conducted annually to demonstrate that no damage to the ecosystem has occurred. This information is recorded and submitted to the State Water Quality Control Board per the requirements in NPDES permit.

**Irrigation Canal Treatment During Irrigation Season:** NID utilizes drip applications for this purpose and the following herbicides/algaecides.

Captain: Targets – Algae  
Cutrine Plus: Targets – Algae  
Cutrine Ultra: Targets – Algae  
Nautique: Targets – Elodea, Sago Pondweed

Under limited locations when the algae bloom is aggressive, we use Phcomycin or Green Clean Pro. These products are in a powder form and can be used between scheduled events. They are also OMRI listed for organic use.

All of the products used for aquatic weed management are used April 1 to October 15 (during the water season).

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