

Ocean View School District

Weed Abatement

October 2, 2019

Presented by:

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1. Rating of weed impact on district school grounds
2. Review of local agencies' responses to weed abatement
3. Possible products and methods
4. District standards
5. Staff recommendations



Impacted Areas' Ratings

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District Sites	Impact Areas (Scale: 1-best condition, 10-worst condition)	Overall Rating
Circle View	Fence Rows, Blacktop, Baseball Diamonds, Tennis Court Parking Lot	8
College View	Fence Rows, Blacktop, Parking Lot, Planters	8
District Office	Fence Rows, Blacktop, Parking Lot, Planters	7
Facilities	Fence Rows, Parking lot	8
Golden View	Fence Rows, Blacktop, Parking Lot, Planters, Stinging Nettle (Farm)	7
Harbour View	Fence Rows, Sidewalks, Blacktop, Parking Lot	8
Hope View	Fence Rows, Sidewalks, Blacktop, Parking Lot, Planters	7
Interim Site	Fence Rows, Sidewalks, Blacktop, Parking Lot, Planters, Behind New Portables	9
Lake View	Fence Rows, Sidewalks, Blacktop, Parking Lot, Planters, Playground Equip	8
Marine View	Fence Rows, Sidewalks, Blacktop, Parking Lot, Planters, East Asphalt Walks	9
Mesa View	Fence Rows, Sidewalks, Blacktop, Parking Lot, Planters, West Swale	9
Oak View	Fence Rows, Sidewalks, Blacktop, Parking Lot, Planters	8
Oak Preschool	Fence Rows, Sidewalks, Blacktop, Parking Lot, Planters	9
Pleasant View	Fence Rows, Sidewalks, Blacktop, Parking Lot, Planters, sand box play area	9
Spring View	Fence Rows, Sidewalks, Blacktop, Parking Lot, Planters, Tennis Courts, Gym Area	10
Star View	Fence Rows, Sidewalks, Blacktop, Parking Lot, Planters, Mechanical Enclosures	9
Village View	Fence Rows, Sidewalks, Blacktop, Parking Lot, Planters	10
Vista View	Fence Rows, Sidewalks, Blacktop, Parking Lot, Planters, Tree Wells, Gym Area	10
Westmont	Fence Rows	10

Local Agency Information

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Local Agencies Utilizing Roundup	Method/Product
City of Fountain Valley	Roundup
City of Westminster	Roundup
County of Orange	Ranger Pro - Generic Roundup
Fountain Valley SD	Outsource - Roundup
Huntington Beach UHSD	Roundup
Santa Ana USD	Roundup
Westminster SD	Roundup

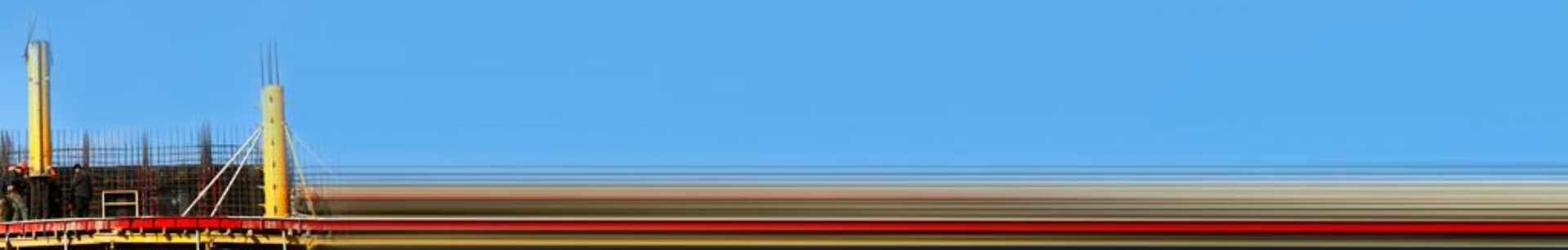
Districts Utilizing Alternatives to Roundup	Method/Product
Ocean View SD	Organic Herbicide + Mechanical
City of Huntington Beach	Finale
Huntington City SD	Mechanical
Irvine USD	Suppress
Long Beach USD	Steam Machine
Newport-Mesa USD	Steam Machine

Roundup

Glyphosate is the most commonly used herbicide worldwide and the most heavily used herbicide in the US that kills weeds, gets to the roots of weeds.

Because Glyphosate is a broad-spectrum, non-selective systemic herbicide, it will kill virtually all types of plants but is formulated for grasses, sedges, broad-leaf weeds, and woody plants.

Typically applied 4 -6 times per school year.



Organic or inorganic herbicide alternatives

Organic weed killers are actually quite reactive.

They destroy plant life for a short period.

They do not translocate to the roots of treated plants/weeds, and therefore not a permanent solution.

Application monthly.



Steam machines

Steam machines work by shooting pressurized steam onto a weed, shriveling the leaves so the plant cannot photosynthesize and process nutrients, and therefore die.

While the steam does kill the exposed plant material, it also suffers from an inability to penetrate and kill the root zone.

Need vehicles to tow machines, and a full-time labor force to operate them.



Mechanical use of weed whackers

Requires additional/increased labor necessary to operate them.

Need to repeat the process regularly to maintain weed abatement efforts.

Creates significant issues at school sites due to noise, flying debris, and other related safety issues.

Contributes to further degradation of asphalt and concrete.



Hybrid system

Consists of spraying a weed killing product and then supplementing the spraying with mechanical means.

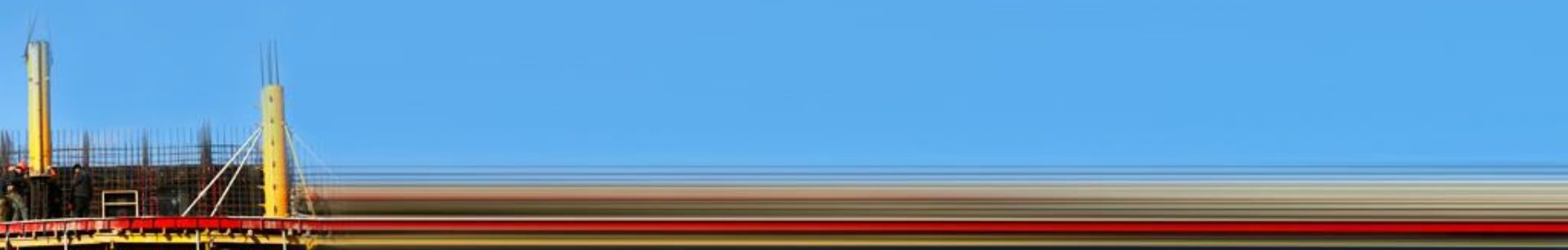
This would also require additional/increased labor when weed whacking is needed.



Recommended Goals

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- Safe and attractive facilities
- Long-term systemic permanent reduction/elimination of weed growth for a weed-free environment
- Implement modernization landscaping plan that incorporates weed deterrent solutions, such as thick mulch layers, weed mats, irrigation drip systems, “fence crawling-type” plants
- Gradual reduction plan to eliminate use of herbicides and reduce staff time



Monthly application of organic herbicide plus bi-monthly weed whacking --

Estimated Cost: Total \$113,400

- Organic herbicide \$14,400
- Weed whacking \$99,000



Questions?

