

Spring 2023 Weed Control – Dowe Flats Quarry



Species

- Canada thistle
- Common mullein
- Dalmatian toadflax
- Dames Rocket
- Diffuse knapweed
- Musk thistle
- Whitetop (Hoary cress)
- Yellow toadflax

Spring 2023 Weed Control – Dowe Flats Quarry

Habitat Management, Inc.
Commercial Herbicide Applicator (CO #11318)
Herbicide Application Record



Location: Cemex Dowe Flats Quarry **County:** Boulder County

Date: 5/30/2023 10:30 AM to 10:30 AM

Customer: Cemex, 5134 Ute Highway, Longmont, CO 80503

Qualified Supervisor: Jess Feeback #34050

Applicators: Jess Feeback #34050, Riley Miller

Weather: Sunny 78 degrees F. **Wind:** 4 mph out of N

Site/Crop: Reclamation/Revegetation Area

Target Plants: Houndstongue - *Cynoglossum officinale* - List B, Knapweed, diffuse - *Centaurea diffusa* - List B, Thistle, Canada - *Cirsium arvense* - List B, Thistle, Musk - *Carduus nutans* - List B, Toadflax, Dalmatian - *Linaria dalmatica/genistifolia* - List B

Application Equipment: Orange Kubota #4 **Equipment Rate:** 40 **Application Method:** Spot-Spraying **Carrier:** Water

Herbicide Applied	Application Rate	Total Amount Applied	Dilution Rate
Weedar 64 - 71368-1 - 2,4-D 46.8%	32 fl oz per acre	16 fl oz	0.80 fl oz per gallon
Vastlan - 62719687 - Triclopyr 54.72%	48 fl oz per acre	24 fl oz	1.20 fl oz per gallon
Induce - Adjuvant	12 fl oz per acre	6 fl oz	0.30 fl oz per gallon
Spray Indicator - Blue Dye	12 fl oz per acre	6 fl oz	0.30 fl oz per gallon

Total Application: 0.5 acre

Application Notes: Treated north end of triangle in between haul roads.

NPDES COMPLIANCE (Only Applicable to Aquatic Sites)

Aquatic site: No

Use Pattern: Weeds and Algae

Is equipment properly calibrated? Yes

Did you conduct visual monitoring for adverse incidents? Yes

Were any adverse incidents identified? No

Spring 2023 Weed Control – Dowe Flats Quarry

Habitat Management, Inc.
Commercial Herbicide Applicator (CO #11318)
Herbicide Application Record



Location: Cemex Dowe Flats Quarry **County:** Boulder County

Date: 5/30/2023 12:45 PM to 2:15 PM

Customer: Cemex, 5134 Ute Highway, Longmont, CO 80503

Qualified Supervisor: Jess Feeback #34050

Applicators: Jess Feeback #34050, Riley Miller

Weather: Partly Cloudy 74 degrees F. **Wind:** 10 mph out of SE

Site/Crop: Reclamation/Revegetation Area

Target Plants: Houndstongue - *Cynoglossum officinale* - List B, Knapweed, diffuse - *Centaurea diffusa* - List B, Thistle, Canada - *Cirsium arvense* - List B, Thistle, Musk - *Carduus nutans* - List B, Toadflax, Dalmatian - *Linaria dalmatica/genistifolia* - List B

Application Equipment: Orange Kubota #4 **Equipment Rate:** 35f **Application Method:** Spot-Spraying **Carrier:** Water

Herbicide Applied	Application Rate	Total Amount Applied	Dilution Rate
Weedar 64 - 71368-1 - 2,4-D 46.8%	32 fl oz per acre	120 fl oz	fl oz per gallon
Milestone - 62719537 - Aminopyralid 40.6%	5 fl oz per acre	18.75 fl oz	fl oz per gallon
MSO - Adjuvant	12 fl oz per acre	45 fl oz	fl oz per gallon
Spray Indicator - Blue Dye	12 fl oz per acre	45 fl oz	fl oz per gallon

Total Application: 3.75 acre

Application Notes:

NPDES COMPLIANCE (Only Applicable to Aquatic Sites)

Aquatic site: No

Use Pattern: Weeds and Algae

Is equipment properly calibrated? Yes

Did you conduct visual monitoring for adverse incidents? Yes

Were any adverse incidents identified? No

Spring 2023 Weed Control – Dowe Flats Quarry

Habitat Management, Inc.
Commercial Herbicide Applicator (CO #11318)
Herbicide Application Record



Location: Cemex Dowe Flats Quarry **County:** Boulder County

Date: 5/31/2023 2:10 PM to 2:30 PM

Customer: Cemex, 5134 Ute Highway, Longmont, CO 80503

Qualified Supervisor: Jess Feedback #34050

Applicators: Jess Feedback #34050

Weather: Cloudy 76 degrees F. **Wind:** 7mph mph out of N

Site/Crop: Non-Crop Industrial

Target Plants: All Vegetation (Bare Ground Treatment)

Application Equipment: SG 20 Backpack Sprayer **Equipment Rate:** 30 **Application Method:** Spot-Spraying **Carrier:** Water

Herbicide Applied	Application Rate	Total Amount Applied	Dilution Rate
Ranger Pro - 524517 - Glyphosate 41%	6.4 fl oz per gallon	19.2 fl oz	0.21 fl oz per gallon
Esplanade 200SC - 432-1516 - Indaziflam 19.05%	0.25 fl oz per gallon	0.75 fl oz	0.01 fl oz per gallon
MSO - Adjuvant	0.5 fl oz per gallon	1.5 fl oz	0.02 fl oz per gallon
Spray Indicator - Blue Dye	0.5 fl oz per gallon	1.5 fl oz	0.02 fl oz per gallon

Total Application: 3 gallon

Application Notes: Applied sterilant and pre emergent to 18 foot square around propane tank next to Dowe Flats office.

NPDES COMPLIANCE (Only Applicable to Aquatic Sites)

Aquatic site: No

Use Pattern: Weeds and Algae

Is equipment properly calibrated? Yes

Did you conduct visual monitoring for adverse incidents? Yes

Were any adverse incidents identified? No

Spring 2023 Weed Control – Dowe Flats Quarry

Habitat Management, Inc.
Commercial Herbicide Applicator (CO #11318)
Herbicide Application Record



Location: Cemex Dowe Flats Quarry **County:** Boulder County

Date: 6/1/2023 9:00 AM to 2:30 PM

Customer: Cemex, 5134 Ute Highway, Longmont, CO 80503

Qualified Supervisor: Riley Miller

Applicators: Monica Moralez, Riley Miller

Weather: Partly Cloudy 64 degrees F. **Wind:** 4 mph out of N

Site/Crop: Reclamation/Revegetation Area

Target Plants: Knapweed, diffuse - *Centaurea diffusa* - List B, Mullein, common - *Verbascum thapsus* - List C, Thistle, Canada - *Cirsium arvense* - List B, Thistle, Musk - *Carduus nutans* - List B, Toadflax, Dalmatian - *Linaria dalmatica/genistifolia* - List B, White Top, Hoary Cress - *Cardaria draba* - List B

Application Equipment: Orange Kubota #4 **Equipment Rate:** 40 GPA - Kubota Spray Rig Spot Spray **Application**

Method: Spot-Spraying **Carrier:** Water

Herbicide Applied	Application Rate	Total Amount Applied	Dilution Rate
Weedar 64 - 71368-1 - 2,4-D 46.8%	32 fl oz per acre	72 fl oz	0.00 fl oz per gallon
Milestone - 62719537 - Aminopyralid 40.6%	6 fl oz per acre	13.5 fl oz	0.00 fl oz per gallon
Locktite MSO - Adjuvant	12 fl oz per acre	27 fl oz	0.00 fl oz per gallon
Spray Indicator - Blue Dye	12 fl oz per acre	27 fl oz	0.00 fl oz per gallon

Total Application: 2.25 acre

Application Notes:

NPDES COMPLIANCE (Only Applicable to Aquatic Sites)

Aquatic site: No

Use Pattern: Weeds and Algae

Is equipment properly calibrated?

Did you conduct visual monitoring for adverse incidents?

Were any adverse incidents identified?

Spring 2023 Weed Control – Dowe Flats Quarry

Habitat Management, Inc.
Commercial Herbicide Applicator (CO #11318)
Herbicide Application Record



Location: Cemex Dowe Flats Quarry **County:** Boulder County

Date: 6/2/2023 8:15 AM to 2:45 PM

Customer: Cemex, 5134 Ute Highway, Longmont, CO 80503

Qualified Supervisor: Riley Miller

Applicators: Monica Morales, Riley Miller

Weather: Partly Cloudy 70 degrees F. **Wind:** 4 mph out of N

Site/Crop: Reclamation/Revegetation Area

Target Plants: Knapweed, diffuse - Centaurea diffusa - List B, Mullein, common - Verbascum thapsus - List C, Thistle, Canada - Cirsium arvense - List B, Thistle, Musk - Carduus nutans - List B, Toadflax, Dalmatian - Linaria dalmatica/genistifolia - List B, White Top, Hoary Cress - Cardaria draba - List B, Dames rocket - Hesperis matronalis - List B

Application Equipment: Orange Kubota #4 **Equipment Rate:** 40 GPA - Kubota Spray Rig Spot Spray **Application**

Method: Spot-Spraying **Carrier:** Water

Herbicide Applied	Application Rate	Total Amount Applied	Dilution Rate
Weedar 64 - 71368-1 - 2,4-D 46.8%	32 fl oz per acre	24 fl oz	0.00 fl oz per gallon
MSO - Adjuvant	12 fl oz per acre	9 fl oz	0.00 fl oz per gallon
Milestone - 62719537 - Aminopyralid 40.6%	6 fl oz per acre	4.5 fl oz	0.00 fl oz per gallon
Spray Indicator - Blue Dye	12 fl oz per acre	9 fl oz	0.00 fl oz per gallon

Total Application: 0.75 acre

Application Notes:

NPDES COMPLIANCE (Only Applicable to Aquatic Sites)

Aquatic site: No

Use Pattern: Weeds and Algae

Is equipment properly calibrated?

Did you conduct visual monitoring for adverse incidents?

Were any adverse incidents identified?