



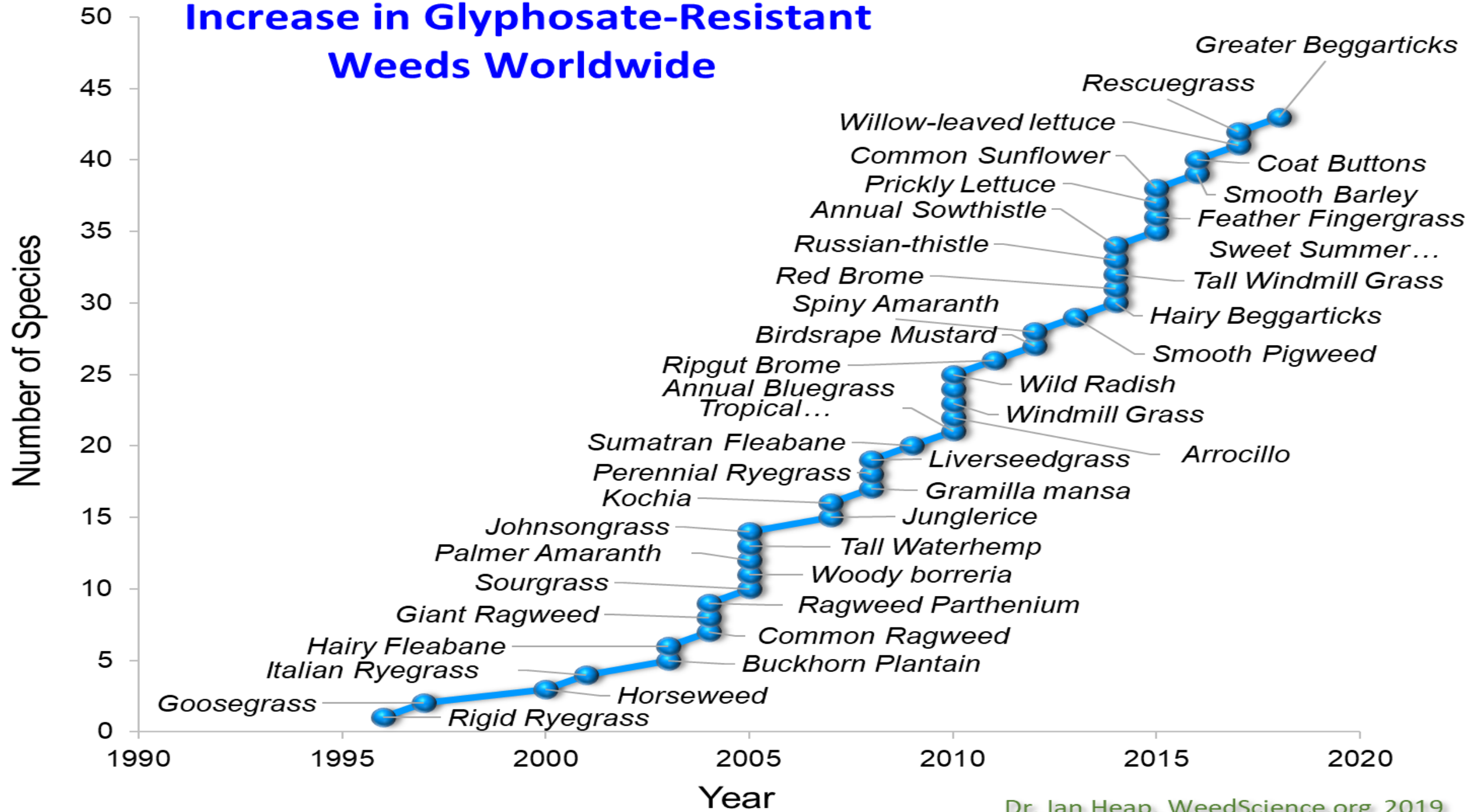
Roadside Vegetation Management Presentation

ALL INFORMATION IN THIS
PRESENTATION IS BASED SOLELY
ON TRIAL AND ERROR PRACTICES
AND THE THOUGHTS OF THE
HERBICIDE APPLICATORS AT
CANYON HIGHWAY DISTRICT NO. 4

A wide-angle photograph of a person walking away from the camera through a vast field of green wild radish plants. The person is a dark silhouette against the lighter background. The sky is blue with scattered white clouds. The text "wild radish" is overlaid in the center of the image in a white, lowercase, sans-serif font.

wild radish

Increase in Glyphosate-Resistant Weeds Worldwide



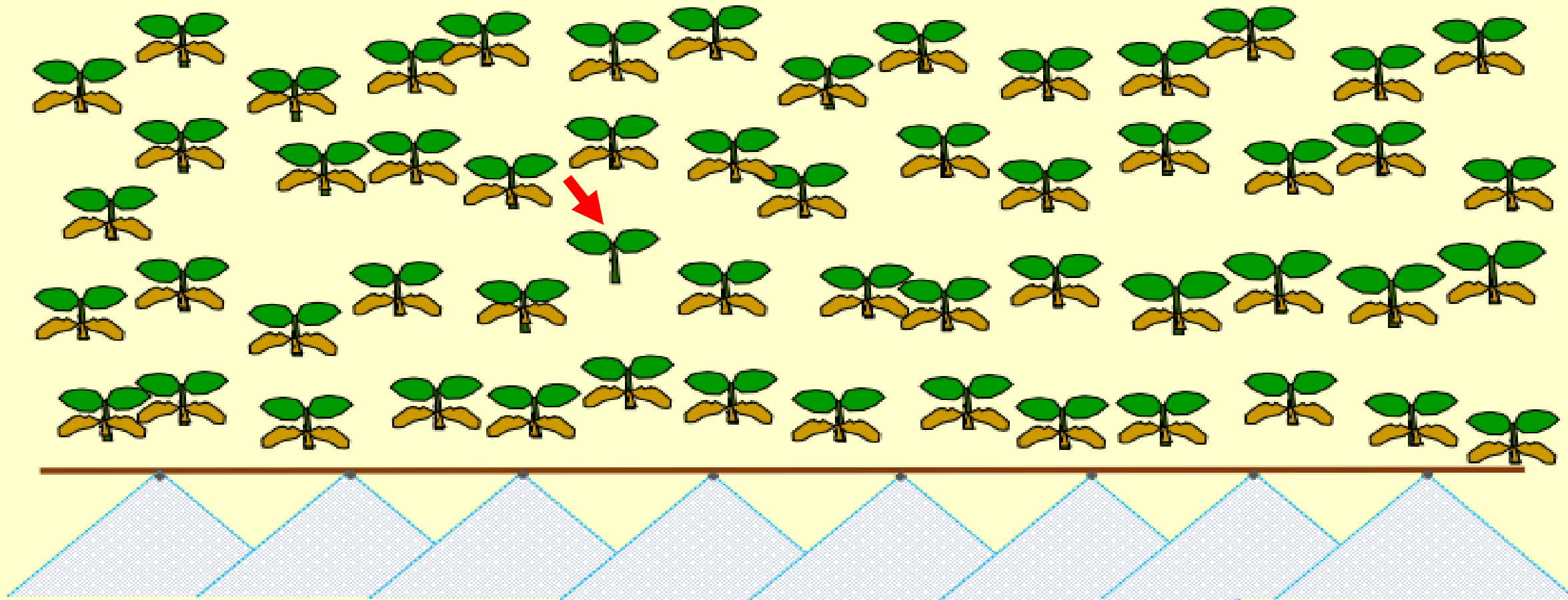
Herbicide Resistant Weeds In Idaho

Currently there are 11 in Idaho

- 1987 Prickly Lettuce was found to be resistant to Group 2 (ALS Inhibitors)
- 1989 Kochia was found to be resistant to Group 2 (ALS Inhibitors)
- 1992 Wild Oat's was found to be resistant to Group 1 (ACCase Inhibitors)
- 2014 Kochia was found to be resistant to Group 9 (Glyphosate)

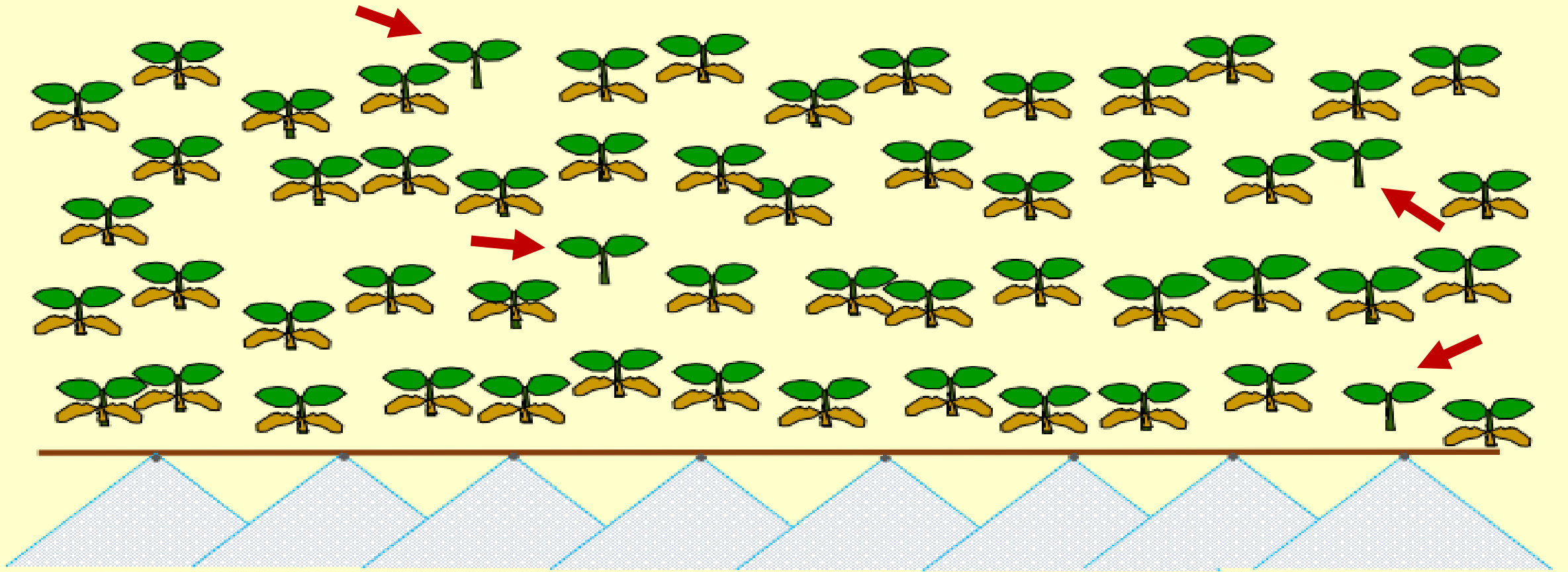
Herbicide-Resistance Basics

- Herbicide resistance is the inherited ability of a plant to survive a herbicide application to which the original populations were susceptible. Resistant plants occur naturally within a population. They differ slightly in genetic makeup from the original populations, but they remain reproductively compatible with them.



Herbicide resistant plants initially are present in a weed population in extremely low numbers

About 1 in 100,000 to more than 1 in 1,000,000



The repeated use of the same herbicide or of herbicides that kill the plant the same way (same mode of action) allow these few plants to survive and then reproduce. The number of plants then increase in population until the herbicide no longer controls them.

Planning Your Herbicide Program

- The development of herbicide resistant weeds is strongly linked to repeated use of the same herbicide or of herbicides with the same site of action.

Preventing or Delaying Herbicide Resistance

- Rotating Herbicides
- Rotating Crops
- Using short-residual herbicides
- Cultivating
- Accurate record Keeping
- Planting clean seed
- Practicing integrated weed management

Dealing with Herbicide Resistance

- Monitoring fields and right of ways for weed escapes
- Preventing weed spread
- Rotating crops and tillage systems
- Changing Herbicide program

Recognizing Herbicide Resistance

Irregular shaped patches of a single weed species in a field or in a right of way are an indicator of herbicide resistance, especially when

- There are no other apparent problems
- Other weed species are controlled adequately
- No or minimal herbicide symptoms appear on the single uncontrolled weed species
- There has been a previous failure to control the same species in the same area with the same herbicide or with herbicides with the same site of action
- Records show repeated use of one herbicide or of herbicides with the same site of action

What to do if you Suspect Herbicide Resistance

- Do not respray with the same herbicide or with herbicides with the same site of action
- Report your suspicion to a university researcher or extension specialist or to the extension educator in your county (Idaho Department of Agriculture)
- If possible, collect plants or seed that can be used to confirm resistance has developed. However, controlling weed escapes and preventing production of viable seeds are of prime importance.

Canyon Highway District #4

Preemergent Herbicide Applications



CHD#4 SPRAY TRUCKS



Boominator Nozzles

- **Unit 661 and Unit 694**

- 20 PSI
- Nozzle #1165 = 5 foot spray distance
- Nozzle #2651 = 10 foot spray distance

- **Unit 795**

- 20 PSI
- Nozzle #1876 = 6 foot spray distance
- Nozzle #2651 = 10 foot spray distance
- Nozzle #2650 = 20 foot spray distance

Remember that the wind speed is the actual speed that the wind is blowing. No matter what your application speed is, the wind is your determining factor. A helicopter application is done around **60MPH** and An aerial application is typically at speeds of **120MPH+**



PREEMERGENT HERBICIDES

- ESPLANADE 200SC
- PERSPECTIVE
- METHOD
- TELAR XP
- FREQUENCY
- PORTFOLIO
- PAYLOAD
- PRODIAMINE
- PLATEAU
- DETAIL
- CLEANTRAXX
- PLAINVIEW

VEGETATION MANAGEMENT HERBICIDES

- **GLYPHOSATE** (RANGER PRO, MADDOG PLUS, GLYPHOSATE PLUS, HONCHO AND OTHERS)

- **24D PRODUCTS** (PLATOON, BASECAMP AM4, E-2)

- **OTHERS**
 - LIBERATE
 - GROUNDED
 - ACTAMASTER
 - MSO

Our Spray Schedule

- Pre-emergence applications will start as soon as February 16th
- Glyphosate and 2,4-D applications will start around April 16th
- Milestone applications for the control of Noxious weeds will start around the 15th of September

- All Dates are Weather and Wind Dependent

- We use a rotation of herbicides from year to year. We try not to use the same herbicide combination on the same section of road in back to back years

We use a color coordinated system that allows us to easily identify what herbicide combination was used on a year to year basis.

• *Examples*

2019 SPRAY COMBINATIONS

EsplAnade + Perspective

Frequency + Perspective

Frequency

EsplAnade + Cleantraxx

Payload, Prodiamine and EsplAnade 200SC are rotated in Subdivisions

Frequency and Payload

EsplAnade and Frequency

Frequency and Plateau

HERBICIDE CLASSIFICATION

Repeated use of herbicides with the same site of action can result in the development of herbicide-resistant weed populations.

by MODE OF ACTION
(affect target growth)

by PREMIX

GROUP NUMBERS FOR THE HERBICIDES WE CURRENTLY USE

- DIURON 7
- FREQUENCY 27
- ESPLANADE 200SC 29
- PERSPECTIVE 2 + 14
- METHOD 4
- TELLAR XP 2
- CLEANTRAXX 2 + 14
- PAYLOAD 14
- PORTFOLIO 14
- MILESTONE 4
- DETAIL 14
- PLATEAU 2
- GLYPHOSATE 9
- 2-4D 4
- E-2 4

Clipboard: Paste, Cut, Copy, Format Painter

Font: Calibri, 11, Bold, Italic, Underline, Text Color, Background Color, Paragraph Spacing

Alignment: Wrap Text, Merge & Center

Number: General, Currency (\$), Percentage (%), Decimals (0.00, 0.0)

Styles: Conditional Formatting, Format as Table, Cell Styles

Cells: Insert, Delete, Format

Editing: AutoSum, Fill, Clear, Sort & Filter, Find & Select

1	Products	Acres	Units	Total Units	Price
2	2,4- D AMINE	0		0	\$0.00
3	Actomaster or equal	0		0	\$0.00
4	PRO CLIPSE 65	0			\$0.00
5	LIBERATE LECl	0		0	\$0.00
6	EDICT	0		0	\$0.00
7	FREQUENCY	0		0	\$0.00
8	MILESTONE	0		0	\$0.00
9	GLYPHOSATE 41%	0		0	\$0.00
10	PORTFOLIO 4F	0		0	\$0.00
11	ESPLANADE 200 SC	0		0	\$0.00
12	DIURON 80 DF	0		0	\$0.00
13	KROVAR IDF	0		0	\$0.00
14	PAYLOAD	0		0	\$0.00
15	PERSPECTIVE	0		0	\$0.00
16	SPREADER STICKER	0		0	\$0.00
17	escalade 2	0		0	\$0.00
18	Defoamer	0		0	\$0.00
19	Telar	0		0	\$0.00
20	Polaris	0		0	\$0.00
21	Piper	0		0	\$0.00
22	Opensight	0		0	\$0.00
23	Bindar GT	0		0	\$0.00

Clipboard: Paste, Cut, Copy, Format Painter
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	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
7	FREQUENCY	0		0	\$0.00												
8	MILESTONE	0		0	\$0.00												
9	GLYPHOSATE 41%	1		32	\$2.13												
10	PORTFOLIO 4F	0		0	\$0.00												
11	ESPLANADE 200 SC	1		5	\$42.65												
12	DIURON 80 DF	0		0	\$0.00												
13	KROVAR IDF	0		0	\$0.00												
14	PAYLOAD	0		0	\$0.00												
15	PERSPECTIVE	1		8	\$43.52												
16	SPREADER STICKER	0		0	\$0.00												
17	escalade 2	0		0	\$0.00												
18	Defoamer	0		0	\$0.00												
19	Telar	0		0	\$0.00												
20	Polaris	0		0	\$0.00												
21	Piper	0		0	\$0.00												
22	Opensight	0		0	\$0.00												
23	Pindar GT	0		0	\$0.00												
24	Plateau	0		0	\$0.00												
25	Grounded	1		1	\$4.50												
26	Cleantraxx	0		0	\$0.00												
27	Detail	0		0	\$0.00												
28	TOTAL				\$92.80												
29																	

2018

Esplanade 502 + Perspective 802
Frequency 602 + Perspective 802
Esplanade 502 + Portfolio 1002
Payload 1002 + Dixon 800 X
Esplanade 502 + Dixon 800
Frequency 802



2019 Adani Application

Esplanade 200⁰⁰ + Perspective
Frequency + Perspective
Esplanade 200⁰⁰ + Clearances
Frequency + Plateau
Frequency + Portfolio 4F
Frequency + Payload



2020

PLANVIEW

TEST

ESPECIALLY FOR METHOD - TELAR
FREQUENCY - METODO - TELAR

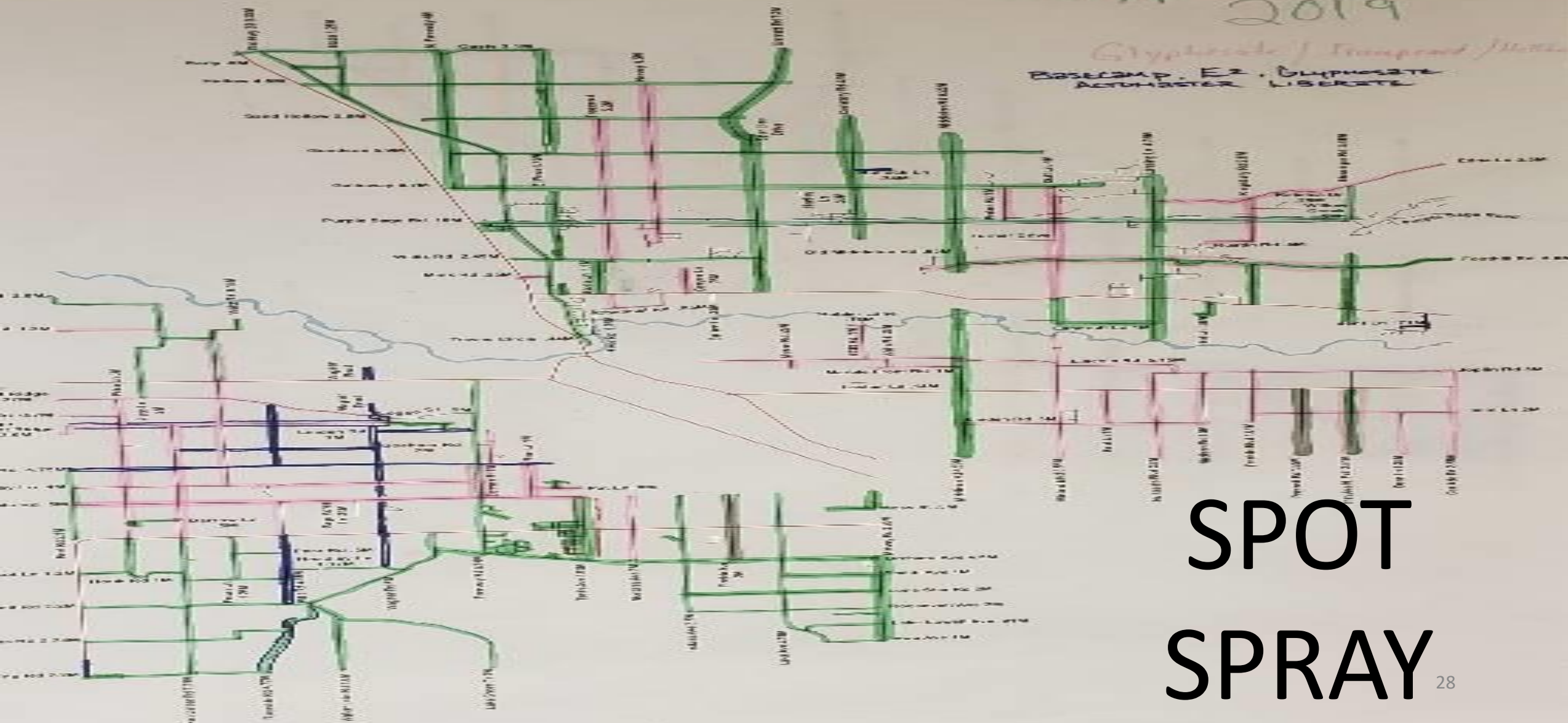
FREQUENCY
DETAIL - PLATEAU

FREQUENCY - PLATEAU



Glyphosate 2019

Glyphosate / Roundup / Methyl
Basecamp, E2, Glyphosate
ACRIMASTER LIBERATE



SPOT SPRAY

Glyphosate, E-2, Liberate

Glyphosate, Hellfire, Trumpcard

Glyphosate, Basecamp, E-2, Ammonia
Sulfate, Liberate

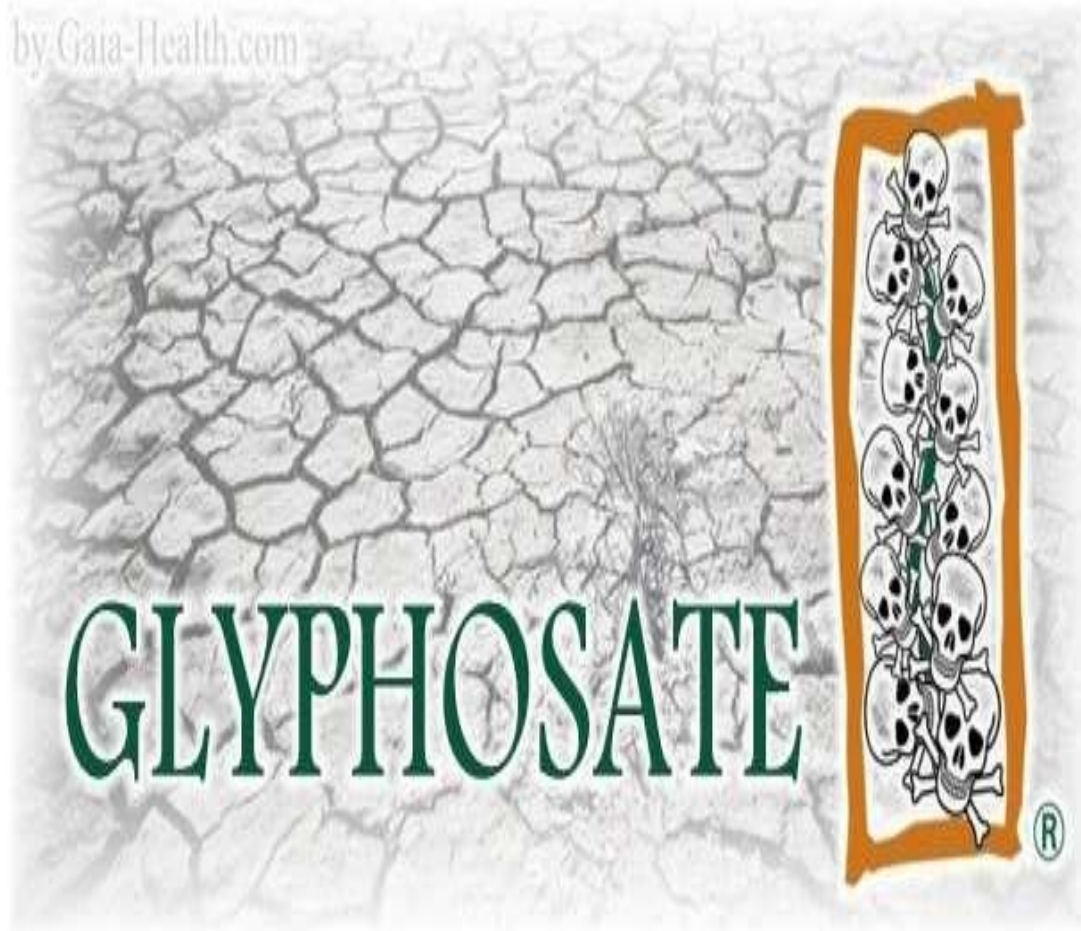
We write down, in a notebook all of our records during the work day and then transfer them to our field report

3-16-19	Galloway	# 23
38°	START @ 8:50	
2MPH	STOP @ 9:18	
CLOUDY	NORTHVIEW TO LANSING BOTH SIDES	
DAMP	145.8 gal	5.8 ACRES
	5.1 gal	.2 ACRES
3-16-19	LANDRUFF	# 24
40°	START @ 9:31	
3MPH W	STOP @ 9:43	
CLOUDY	COMPLETE BOTH SIDES	
DAMP	50.3 gal	2 ACRES
	8.3 gal	.3 ACRES
3-17-19	WAGNER	# 25
33°	START @ 10:34	
LAZY	STOP @ 11:59	
SUNNY	300 gal	12 ACRES
DRY	15 gal	.6 ACRES
	COMPLETE BOTH SIDES	
3-17-19	BOEHNER	# 26
45°	START @ 2:08	
5MPH W	STOP @ 2:56	
SUNNY	116.9 gal	4.6 ACRES
DRY	8 gal	.3 ACRES
	COMPLETE BOTH SIDES	

FIELD REPORT
CANYON HIGHWAY DISTRICT NO. 4
15435 HWY 44
CALDWELL, IDAHO 83607
Weed Control Department

Applicator:	License #:
Applicator:	License #:
Application Location/Road Number:	
Job Size:	Application Date/Time:
Unit:	
Land Use:	Pest:
The full name of the person recommending the pesticide application: <i>Chaimy Thorne</i>	
Weather:	Wind:
Temperature:	Soil:
Pesticide:	E.P.A.#:
	Total Amount of Pesticide Applied:
Amount of Solution Applied:	
Comments:	
Field Report #:	

All preemergent applications are made with 1 quart of glyphosate (per acre) and a deposition aid with drift reduction technology



























SPEED
LIMIT
35



Salt Grass
growing up
through
the
asphalt!



FIELD REPORT
 Canyon Highway District No. 4
 15435 Hwy 44
 Caldwell, ID 83607
 Weed Control Department

Applicator: <i>Bob Brunning</i>	License #: <i>JA</i>
Applicator:	License #:
Application Location/Road Name: <i>Kingsbury Estate</i>	
Job Size: <i>2 Acres</i>	Application Date/Time:
Unit #: <i>161</i>	<i>12-2-09</i>
Land Use: <i>Road side</i>	Pest: <i>All weeds</i>

The full name of the person recommending the pesticide application; and *Casey Bequith*

Weather: <i>Sunny</i>	Wind: <i>calm</i>
Temperature: <i>32°</i>	Soil: <i>Damp</i>

Pesticide: <i>Fyloard 70 oz Per</i>	E.P.A.#: <i>Fyloard 59639-120</i>
<i>Acce At 25 gal of</i>	<i>Diveo-9ADF 66222-51</i>
<i>Water Diveo-9ADF 8 lbs</i>	
<i>Per Acce At 25 gal of</i>	
<i>Water</i>	
Amount of Solution Applied:	Total Amount of Pesticide Applied:
<i>50 gal</i>	<i>Fyloard 20 oz</i>
	<i>Diveo-9ADF 16 lbs</i>
Miles:	Hours: <i>11:30 12:15</i>
Comments: <i>All Roads Inside Subdivision</i>	
Field Report #: <i>1000</i>	



CHEMICAL
AREA DAMAGE

PIPE
CROSSING

Bir Ridge

Kingsbury

Wynley

Foothills

Clay









DoMyOwn.com



FIELD REPORT
 Canyon Highway District No. 4
 15435 Hwy 44
 Caldwell, ID 83607
 Weed Control Department

Applicator: <i>Janice DeLorenzo</i>	License #: <i>9582</i>
Applicator: <i>Bob DeLorenzo</i>	License #: <i>—</i>
Application Location/Road Name: <i>Fox Meadow's sub</i>	
Job Size: <i>3 Acres</i>	Application Date/Time: <i>Dec 20 9 11:38 to 2:06</i>
Unit #: <i>161</i>	Pest: <i>Broadleaf weeds</i>
Land Use: <i>Road Side</i>	

The full name of the person recommending the pesticide application; and *Cesay Request*

Weather: <i>clear</i>	Wind: <i>V3</i>
Temperature: <i>32</i>	Soil: <i>dry</i>

Pesticide: <i>Payload 1002 per acre at 25 gallons of water</i>	E.P.A.#: <i>payload 59039-120</i>
<i>Diuron 800F at 2 lbs per acre at 25 gallons of water</i>	<i>Diuron 800F 46222-51</i>
Amount of Solution Applied: <i>25 gallons</i>	Total Amount of Pesticide Applied: <i>payload 3002</i>
	<i>Diuron 800F 24 lbs</i>
Miles: <i>off of Hwy 44 on Staffle Rd</i>	Hours: <i>—</i>
Comments: <i>off of Hwy 44 on Staffle Rd</i>	
	<i>Finish</i>
Field Report #: <i>592</i>	





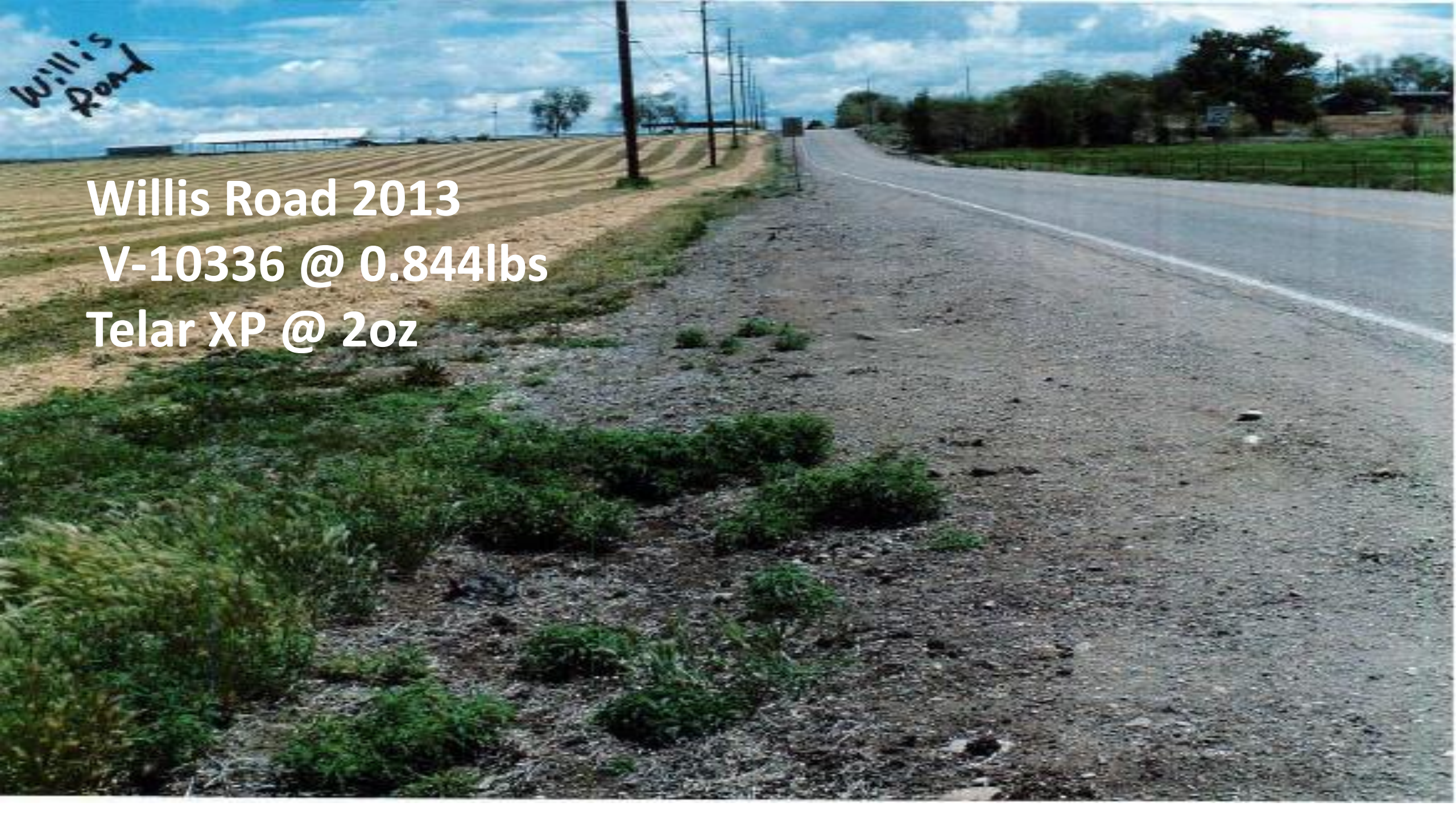


Willis Road

Photos from May 22, 2013


- 2012 Diuron 80DF @ 8lbs
 Payload @ 10oz
 - 2013 V-10336 @ 0.844lbs
 Telar XP @ 2oz
 - 2014 EsplAnade 200SC @ 5oz
 Perspective @ 8oz
- 2013 was a test spot that we tried a new herbicide. The application was done on March 4, 2013 and the pictures were taken on May 22, 2013

Ounces per acre in 25 gallons of water per acre



Willis Road

Willis Road 2013
V-10336 @ 0.844lbs
Telar XP @ 2oz

A photograph of a gravel road in a rural area. The road is made of light-colored gravel and has a white line down the center. To the right of the road is a chain-link fence. In the background, there are several buildings, including a large blue one, and some trees. The sky is blue with some clouds.

Willis Road 2013
V-10336 @ 0.844lbs
Telar XP @ 2oz

A photograph of a rural road. The road is paved with asphalt and has a white line marking. To the right of the road is a gravel shoulder with a black metal fence. The background shows a field, utility poles, and a cloudy sky. The text is overlaid on the right side of the image.

Willis Road 2013
V-10336 @ 0.884lbs
Telar XP @ 2oz

Harvey Road (Sand hollow to Goodson)

East Side

- 2018 Esplanade @ 5oz
Frequency @ 6oz
- 2019 Frequency @ 6oz
Payload @ 10oz
- 2020 Plainview SC @ 48oz

Ounces per acre in 25 gallons of water
per acre

West Side

- 2018 Esplanade @ 5oz
Frequency @ 6oz
- 2019 Frequency @ 6oz
Portfolio 4F @ 10oz
- 2020 Esplanade @ 5oz
Method @ 12oz
Telar XP @ 1.5oz

Ounces per acre in 25 gallons of water
per acre

Harvey Road East Side
March 13, 2019
2018 Esplanade @ 5oz
Frequency @ 6oz



Harvey Road East Side
September 3, 2019
2019 Frequency @ 6oz
Payload @ 10oz



A photograph of a gravel road with yellow and white markings. A large sand deposit is visible on the right side of the road, partially covering the gravel. The background shows a rural landscape with trees and buildings.

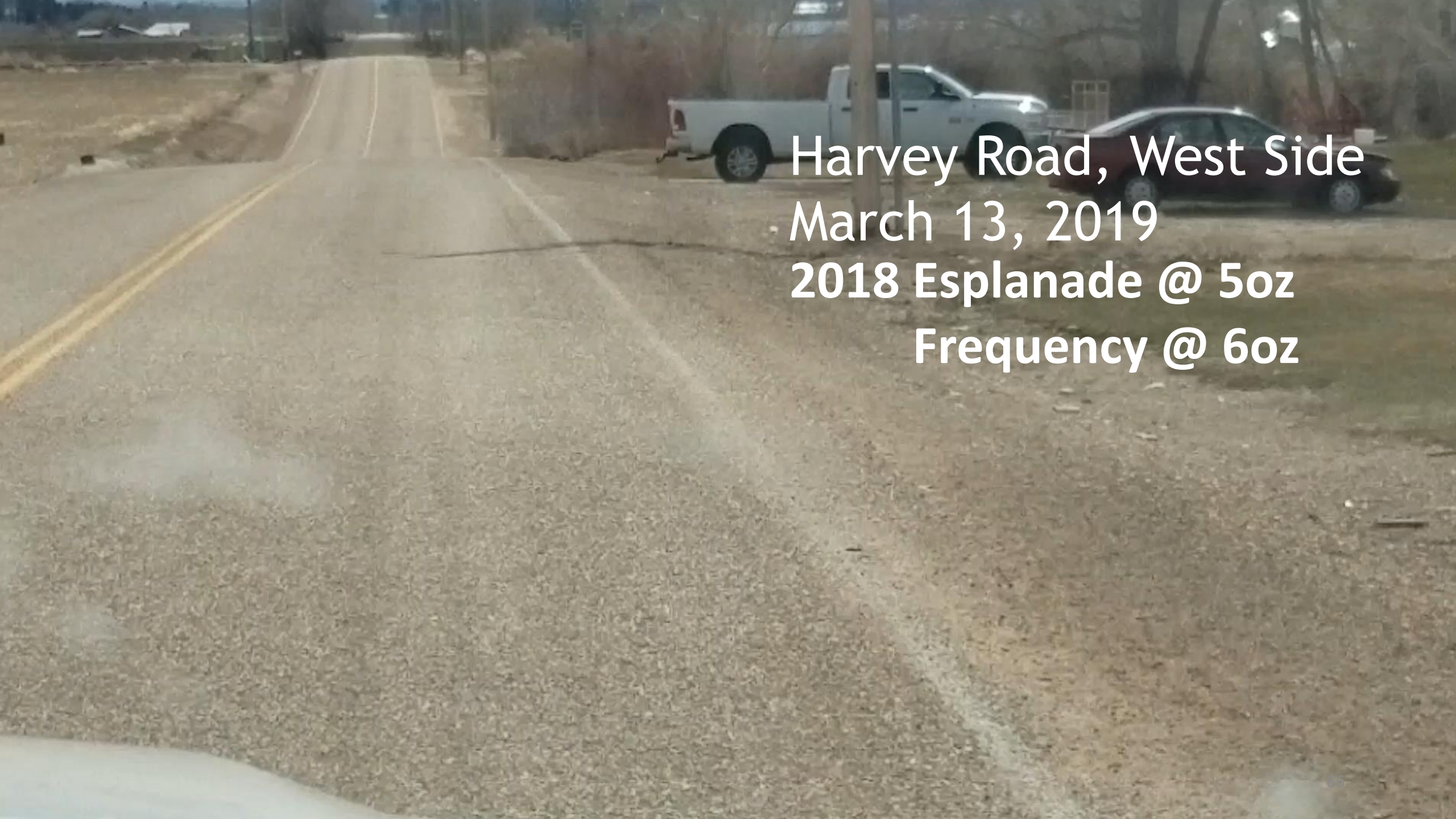
Harvey Road
East Side

March 13, 2019

2018 Esplanade @ 5oz
Frequency @ 6oz

Harvey Road
East Side
September 3, 2019
2019 Frequency @ 6oz
Payload @ 10oz





Harvey Road, West Side
March 13, 2019
2018 Esplanade @ 5oz
Frequency @ 6oz



Harvey Road, West Side
September 3, 2019
2019 Frequency @ 60z
Portfolio 4F @ 100z



Harvey Road

West Side

March 13, 2019

2018 Esplanade @ 5oz

Frequency @ 6oz



Harvey Road
West side
September 3, 2019
2019 Frequency @ 6oz
Portfolio 4F @ 10oz

Sand Hollow Road

Harvey Road to Emmett Road

South Side

- 2018 Frequency @ 6oz
Perspective @ 8oz
- 2019 Esplanade @ 5oz
Perspective @ 8oz
- 2020 Frequency @ 6oz
Payload @ 10oz

Ounces per acre in 25 gallons of water per acre

North Side

- 2018 Frequency @ 8oz
- 2019 Frequency @ 6oz
Payload @ 10oz
- 2020 Plainview SC @ 48oz

Ounces per acre in 25 gallons of water per acre

Sand Hollow Road
South Side
March 13, 2019
2018 Frequency @ 6oz
Perspective @ 8oz

Cheat grass
growing





Sand Hollow Road
South Side
September 3, 2019
2019 Esplanade @ 5oz
Perspective @ 8oz

Application Line →

Sand Hollow Road
South Side

March 13, 2019


2018 Frequency @ 6oz

Perspective @ 8oz

**2019 Esplanade @ 5oz
Perspective @ 8oz**

**Sand Hollow Road
South Side
September 3, 2019**

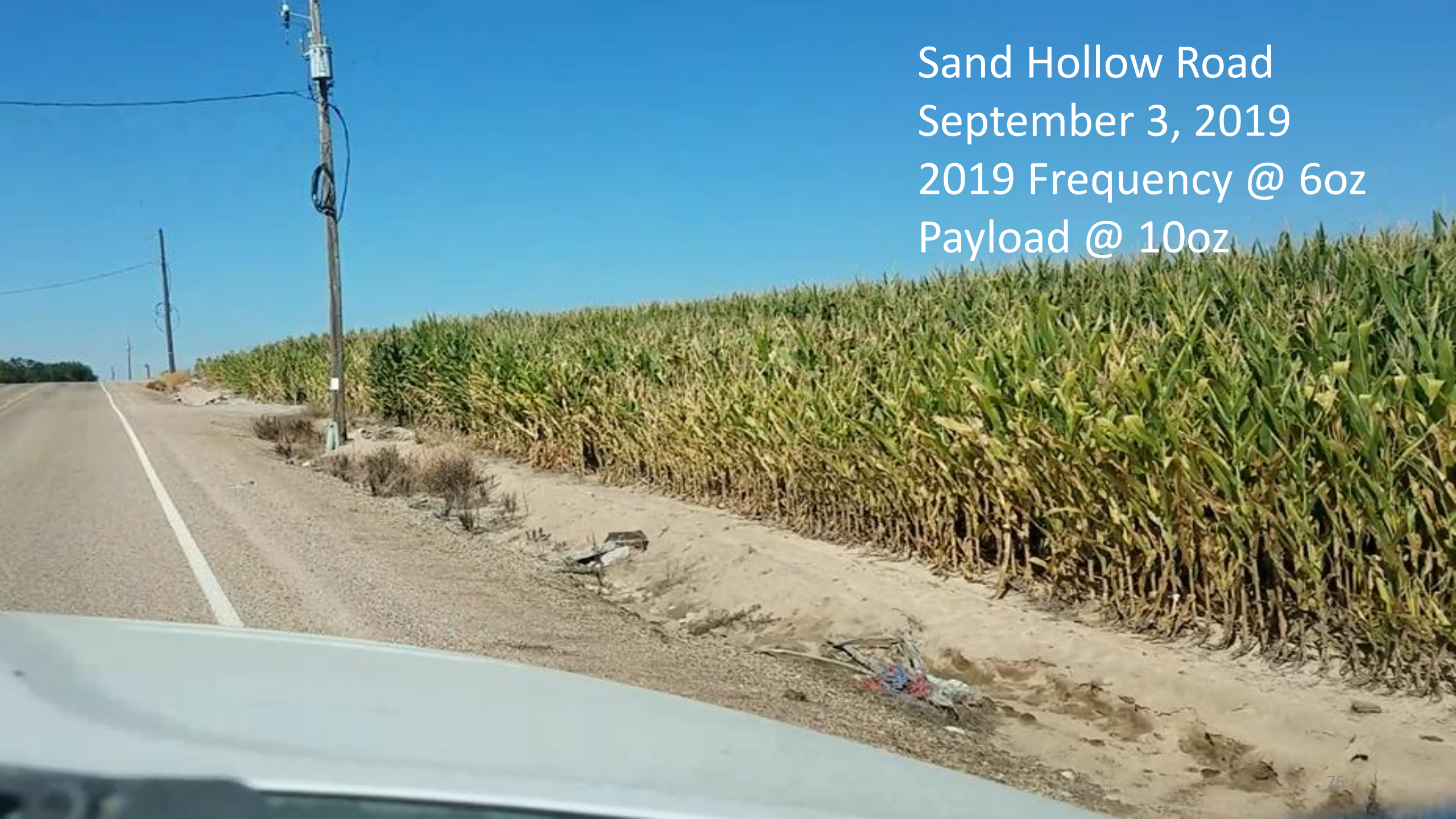




**Sand Hollow Road
North Side
March 13, 2019
2018 Frequency @ 8oz**

Grass is growing in the bottom of the borrow ditch, our road side remains clear.

Sand Hollow Road
September 3, 2019
2019 Frequency @ 6oz
Payload @ 10oz



This is the same spot from the previous slide. This is showing the water stains on the road from the pivot that continuously puts water on our application site



Hartley Road

Willis Road to Purple Sage Road

West Side

- 2018 Esplanade @ 5oz
Frequency @ 6oz
- 2019 Frequency @ 6oz
Payload @ 10oz
- 2020 Esplanade @ 5oz
Method @ 12oz
Telar XP @ 1.5oz

Ounces per acre in 25 gallons of water per acre

East Side

- 2018 Esplanade @ 5oz
Frequency @ 6oz
- 2019 Frequency @ 6oz
Payload @ 10oz
- 2020 Plainview SC @ 48oz

Ounces per acre in 25 gallons of water per acre

Section of roadway, **BEFORE** we take over

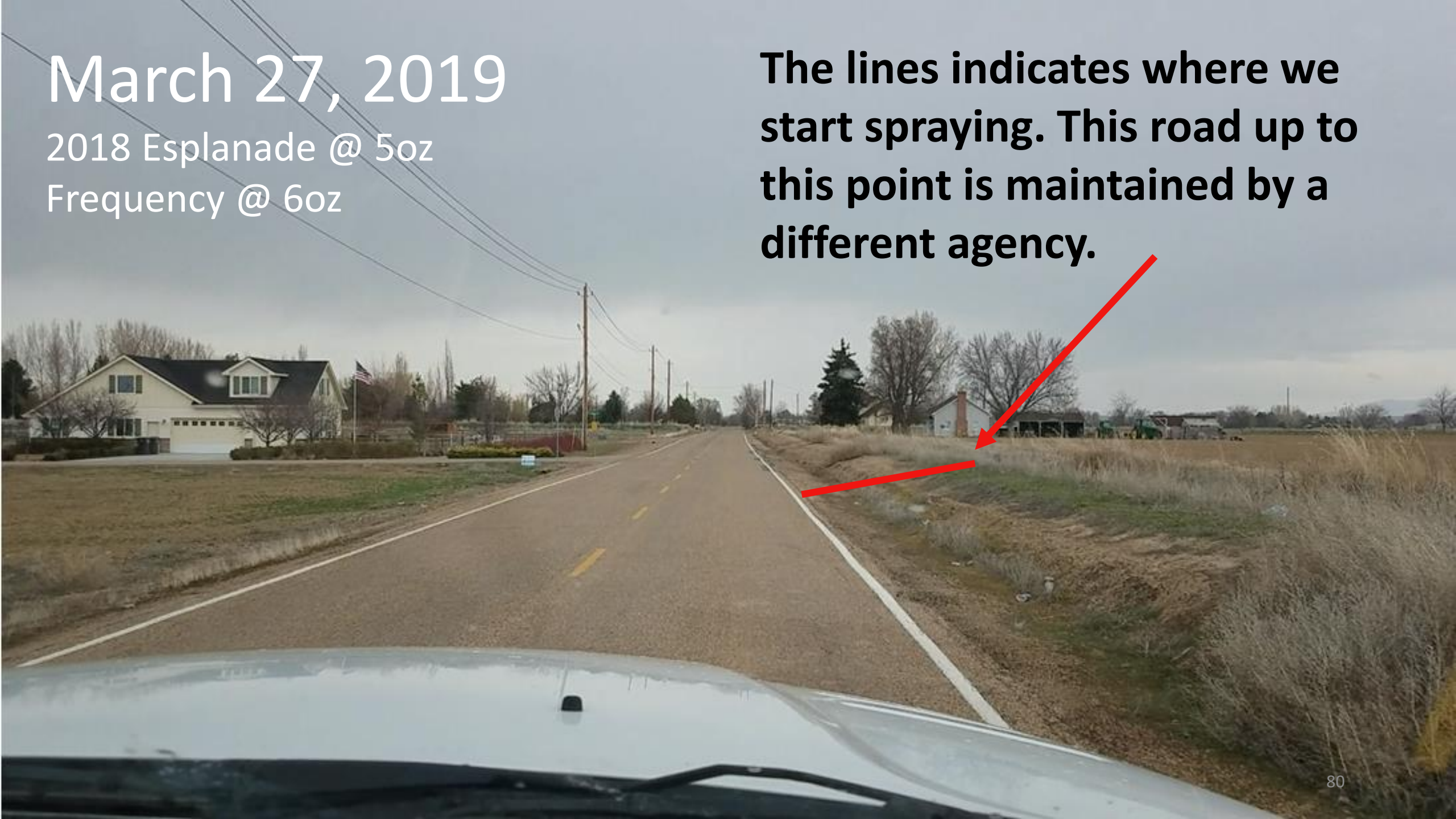


March 27, 2019

2018 Esplanade @ 5oz

Frequency @ 6oz

The lines indicates where we start spraying. This road up to this point is maintained by a different agency.



September 3, 2019
2019 Frequency @ 6oz
Payload @ 10oz



March 27, 2019

Harvey Road, where we have done our applications.

2018 Esplanade @ 5oz

Frequency @ 6oz



September 3, 2019
2019 Frequency @ 6oz
Payload @ 10oz





March 27, 2019
2018 Esplanade @ 5oz
Frequency @ 6oz

September 3, 2019
2019 Frequency @ 6oz
Payload @ 10oz



Purple Sage Road (Between Kingsbury and Blessinger)

South Side

- 2018 Payload @ 10oz
Diuron @ 8lbs
- 2019 Esplanade @ 5oz
Perspective @ 8oz
- 2020 Plainview SC @ 48oz

Ounces per acre in 25 gallons of
water per acre

North Side

- 2018 Payload @ 10oz
Diuron @ 8lbs
- 2019 Esplanade @ 5oz
Perspective @ 8oz
- 2020 Frequency @ 8oz

Ounces per acre in 25 gallons of
water per acre



Purple Sage Road
South Side
March 25, 2019
2018 Payload @ 10oz
Diuron @ 8lbs

**Purple Sage Road
South Side
September 3, 2019
2019 Esplanade @ 5oz
Perspective @ 8oz**



Purple Sage Road
March 25, 2019
2018 Payload @ 10oz
Diuron @ 8Lbs



Purple Sage Road
South Side
September 3, 2019

2019 Esplanade @ 5oz
Perspective @ 8oz


**Purple Sage Road
North Side
March 25, 2019
2018 Payload @ 10oz
Diuron @ 8lbs**



Purple Sage Road
North Side
September 3, 2019
2019 Esplanade @ 5oz
Perspective @ 8oz



MasterPiece II
ALFALFA
Supplier
www.masterpiecealfalfa.com



**Purple Sage Road
North Side
March 25, 2019
2018 Payload @ 10oz
Diuron @ 8lbs**



**Purple Sage Road
North Side
September 3, 2019
2019 Esplanade @ 5oz
Perspective @ 8oz**

Chicken Dinner Road (East side problem area)

- 2018 Esplanade @ 5oz
Cleantraxx @ 48oz
- 2019 Esplanade @ 5oz
Perspective @ 8oz
- 2020 Esplanade @ 5oz
Portfolio @ 10oz

Ounces per acre in 25 gallons of water
per acre

There is a small section here that we have been fighting to keep the Koshia and Russian thistle from coming back in to our right of way. Most of the road side is fruit trees so we have to be extra careful with what we apply. We tried something a little bit different this year and have been pleasantly surprised.

Chicken Dinner Road

March 25, 2019

2018 Esplanade @ 5oz

Cleantraxx @ 48oz



Russian thistle and Kochia are dead but obviously was not controlled last year



We do not appear to have any new growth this year.

September 3, 2019

2019 Esplanade @ 5oz Perspective @ 8oz



Kochia and Russian thistle left
over from last year

March 25, 2019
2018 Esplanade @ 5oz
Cleantraxx @ 48oz



No new
growth



September 3, 2019

2019 Esplanade @ 5oz Perspective @ 8oz

Knot Lane

West Side


- 2018 Esplanade @ 5oz
Perspective @ 8oz
- 2019 Frequency @ 6oz
Payload @ 10oz
- 2020 Detail @ 6oz
Plateau @ 10oz

Ounces per acre in 25 gallons of water
per acre

East Side

- 2018 Esplanade @ 5oz
Perspective @ 8oz
- 2019 Frequency @ 8oz
Plateau @ 10oz
- 2020 Plainview SC @ 48oz

Ounces per acre in 25 gallons of water
per acre



**Knot Lane
March 25, 2019
West Side
2018 Esplanade @ 5oz
Perspective @ 8oz**

Knot Lane
September 3, 2019
West Side
2019 Frequency @ 6oz
Payload @ 10oz





**Knot Lane
March 25, 2019
West Side
2018 Esplanade @ 5oz
Perspective @ 8oz**

Knot Lane
September 3, 2019
West Side
2019 Frequency @ 6oz
Payload @ 10oz



**Knot Lane
March 25, 2019
East Side
2018 Esplanade @ 5oz
Perspective @ 8oz**



A photograph showing a paved road on the left side, with a white line marking. To the right of the road is a large, flat, light-brown field, possibly a dry riverbed or a field of dry earth. In the distance, there are some trees and a small building. The sky is clear and blue.

Knot Lane

September 3, 2019

East Side

2019 Frequency @ 8oz

Plateau @ 10oz



Knot Lane

March 25, 2019

East Side

2018 Esplanade @ 5oz

Perspective @ 8oz

**Knot Lane
September 3, 2019
East Side
2019 Frequency @ 8oz
Payload @ 10oz**



Marsing Road

Between Chicken Dinner and Hwy 55

North Side

- 2018 Esplanade @ 5oz
Diuron @ 10lbs
- 2019 Esplanade @ 5oz
Perspective @ 8oz
- 2020 Frequency @ 8oz

Ounces per acre in 25 gallons of water
per acre

Both sides have been the same chemical combination's for the previous 3 years.

**Kochia from
last year**



**Marsing Road
March 28, 2019
North Side**

**2018 Esplanade @ 5oz
Diuron @ 10lbs**

Marsing Road
September 3, 2019
North Side
2019 Esplanade @ 5oz
Perspective @ 8oz



Kochia has not come back

Marsing Road

March 28, 2019

North Side

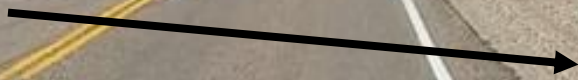
2018 Esplanade @ 5oz

Diuron @ 10lbs


**Weeds are still present
from last years
application**



No weeds
present



Marsing Road
September 3, 2019
North side
2019 Esplanade @ 5oz
Perspective @ 8oz

A photograph of a rural road with a red barn in the background. The road is paved and has a white line on the right side. The background shows a green field, a red barn, and some trees under a cloudy sky. The text is overlaid on the right side of the image.

**Marsing Road
March 28, 2019
South Side
2018 Esplanade @ 5oz
Diuron @ 10lbs**

Marsing Road
September 3, 2019
South Side
2019 Esplanade @ 5oz
Perspective @ 8oz



Hollow Road Between El Paso and Harvey

North Side


- 2018 Esplanade @ 5oz
Perspective @ 6oz
- 2019 Frequency @ 8oz
Plateau @ 10oz
- 2020 Esplanade @ 5oz
Method @ 12oz
Telar Xp @ 1.5oz

Ounces per acre in 25 gallons of water
per acre

South Side

- 2018 Esplanade @ 5oz
Perspective @ 6oz
- 2019 Frequency @ 8oz
Plateau @ 10oz
- 2020 Plainview SC @ 48oz

Ounces per acre in 25 gallons of water
per acre

A photograph of a residential street. On the left is a paved road with a white curb. To the right is a dirt/gravel area with a fence. In the background, there are several trees, including evergreens and bare deciduous trees, and a white house with a dark roof. The sky is overcast with grey clouds. The text is overlaid on the right side of the image.

Hollow Road
March 13, 2019
North Side
2018 Esplanade @ 5oz
Perspective @ 8oz

Hollow Road

September 3, 2019

North Side

2019 Frequency @ 8oz

Plateau @ 10oz



**Hollow Road
March 13, 2019
North Side
2018 Esplanade @ 5oz
Perspective @ 8oz**



**Hollow Road
September 3, 2019
North Side
2019 Frequency @ 8oz
Plateau @ 10oz**





**Hollow Road
March 13, 2019
South Side
2018 Esplanade @ 5oz
Perspective @ 8oz**

**Puncturevine
coming through
the fence into the
right of way**



**Hollow Road
September 3, 2019
South Side
2019 Frequency @ 8oz
Plateau @ 10oz**

A photograph showing a dirt road on the left side, bordered by a concrete curb and a fence. In the background, there is a utility building and a range of mountains under a cloudy sky. The text is overlaid on the right side of the image.

**Hollow Road
March 13, 2019
South Side
2018 Esplanade @ 5oz
Perspective @ 8oz**



**Hollow Road
September 3, 2019
South Side
2019 Frequency @ 8oz
Plateau @ 10oz**

Slade Road

Between Hollow Road and Early Road

Both Sides

- 2018 Esplanade @ 5oz
Perspective @ 8oz
- 2019 Frequency @ 8oz
- 2020 Detail @ 6oz
Plateau @ 10oz

Both sides of this road are the same chemical. In 2015 this road was not sprayed with preemergent in the spring and was not noticed until early May. It was sprayed on March 26, 2014 with 8oz of Frequency.

Ounces per acre in 25 gallons of water per acre.



Slade Road

May 7, 2015



March 26, 2014
Frequency @ 8oz



**Slade Road
March 13, 2019
East side
2018 Esplanade @ 5oz
Perspective @ 8oz**


**Slade Road
September 3, 2019
East Side
2019 Frequency @ 8oz**



**Slade Road
March 13, 2019
East Side
2018 Esplanade @ 5oz
Perspective @ 8oz**

A gravel road stretches into the distance under a clear blue sky. On the right side of the road, there is a wooden archway structure. The surrounding area includes trees, a fence, and some buildings in the background. The foreground shows the hood of a white vehicle.

**Slade Road
September 3, 2019
East Side
2019 Frequency @ 80z**



**Slade Road
March 13, 2019
West Side**

**2018 Esplanade @ 5oz
Perspective @ 8oz**

**Slade Road
September 3, 2019
West Side
2019 Frequency @ 8oz**



Pinto Road

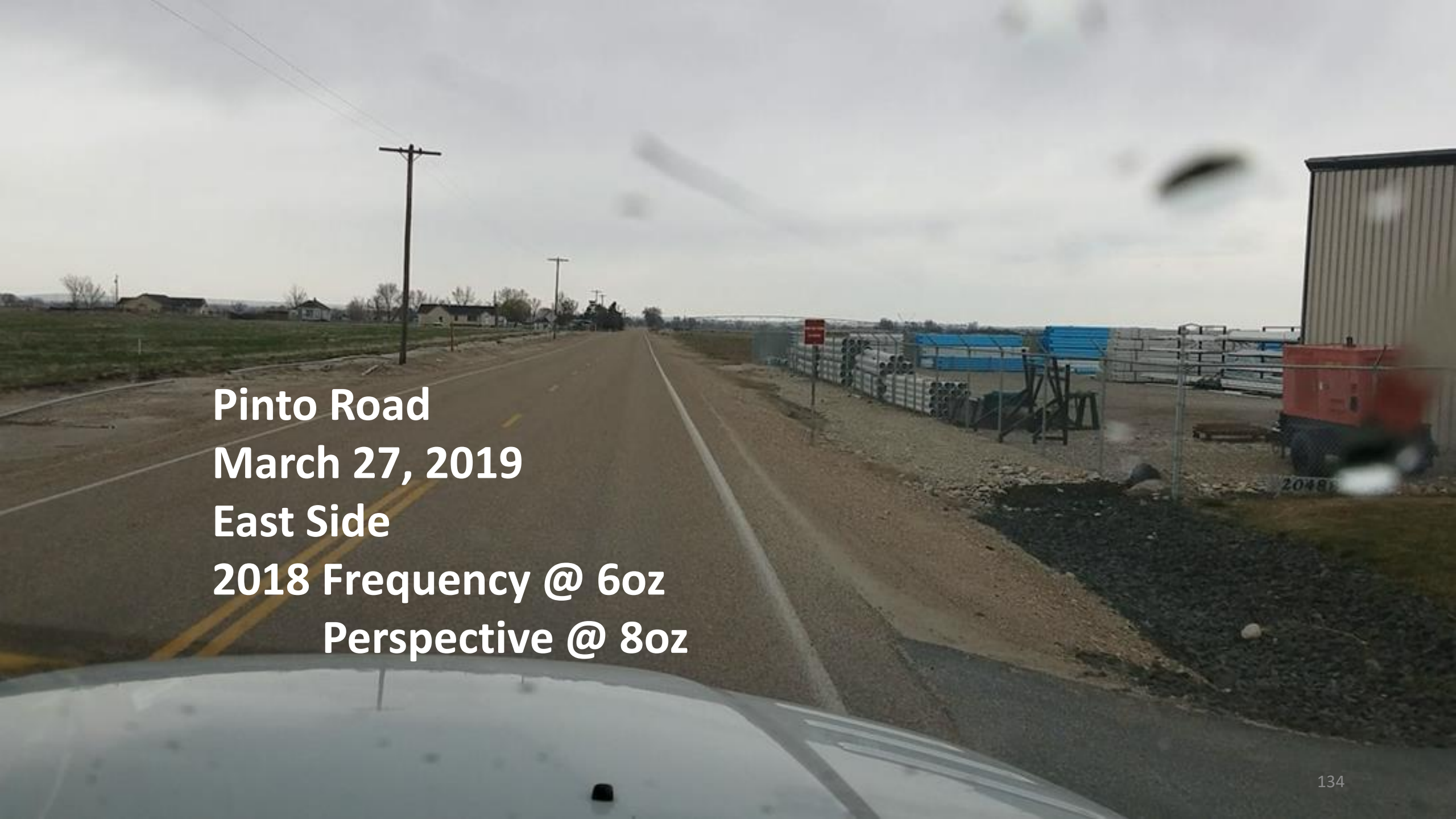
East Side Between Highway 19 and Dixie River

East Side

- 2018 Frequency @ 6oz
Perspective @ 8oz
- 2019 Milestone @ 7oz
Esplanade @ 5oz
- 2020 Frequency @ 8oz

Both sides of the road have received the same herbicide combination for the previous 3 years. This road also receives a lot of irrigation to the right of way due to the sprinklers.

Ounces per acre in 25 gallons of water
per acre



Pinto Road
March 27, 2019
East Side
2018 Frequency @ 6oz
Perspective @ 8oz

Pinto Road
September 3, 2019
East side
2019 Milestone @ 7oz
Esplanade @ 5oz



**Pinto Road
March 27, 2019
East Side
2018 Frequency @ 6oz
Perspective @ 8oz**

**Pinto Road
September 3, 2019
East Side
2019 Milestone @ 7oz
Esplanade @ 5oz**



Pinto Road

March 27, 2019

East Side

2018 Frequency @ 6oz

Perspective @ 8oz



Pinto Road
September 3, 2019
East Side
2019 Milestone @ 7oz
Esplanade @ 5oz



The next several pictures are
of roads outside of our
highway district!

The road just outside our yard

Our Side



Not Our Side



Entering Our Yard







Picture; September 30, 2019

Payload @ 10oz

Diuron @ 10oz

Telar @ 1.5oz

September 30, 2019

Payload @ 10oz

Diuron @ 10oz

Telar @ 1.5oz





**We maintained this section of road
through the end of 2017**







Thank You

Questions?

Canyon Highway District No. 4
(208) 454-8135