VEGETATION MANAGEMENT SUCCESSES

Southeast Regional Maintenance Conference
Howard Peavey
ALDOT Agronomist
“THE MIX”

Glyphosate .......... 13 oz / acre
Perspective .......... 2 oz / acre
(2 oz of Perspective has now been replaced by 3.2 oz of Method 240 SL)
2, 4-D Amine ........ 2 pts / acre

Mix Volume = 64 oz / acre
The “MIX”

Interstate 65
Application made 2/10/2015
Picture taken 4/8/2015

US 84
Application made 2/6/2015
Picture taken May 14, 2015
Removal of One Mowing Cycle for 2015

- Mowing Cycle 1: $174,495
- Mowing Cycle 2: $174,495
- Mowing Cycle 3: $174,495
<table>
<thead>
<tr>
<th>Year</th>
<th>Labor &amp; Equipment</th>
<th>Material</th>
<th>Total</th>
<th>Total Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>2014</td>
<td>$60,471</td>
<td></td>
<td>$71,405</td>
<td>$131,876</td>
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<tr>
<td>2015</td>
<td></td>
<td>$86,539</td>
<td>$101,557</td>
<td>$188,096</td>
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</table>
2014 - 2015 Cost Differential of $117,975

- Additional Herbicide Activity Cost: $56,520
- Removal of One Mowing Cycle: $174,495

Savings of $117,975
THE “MIX”

Pros

• Reduced interaction between mowers and traveling public

We were driving home from volleyball tournaments in Montgomery. We made it to Hwy 82 and passed a couple of tractors bush hogging on the road. The last one slung what I thought was a rock through the windshield. Our world was shook from that point.
The metal piece the state trooper found at the back of the car at the rear glass.

Windshield
THE “MIX”

Pros

• Reduced interaction between mowers and traveling public
  • Reduced number of mowing cycles
  • Reduced time required to complete a mowing cycle
• Monies and labor can be re-directed to other needs within the District
“The last mowing was done October 25, 2016, with application Mix on Feb 12, 2017 and follow up with Derigo on May 8, 2017.

The height now ranges from 4-10 inches on application areas and 12-24 inches on non-application. Over the last 2 weeks, the Bermuda has begun to green and take over making it more aesthetically pleasing to drivers. We have currently skipped this entire section of roadways first mowing and will more than likely be able to on the interstate, which I will also send pictures and details on it. I am currently developing a spreadsheet on the cost benefits of this and will fill you in on the results. All in All, I am very impressed!”

Cody Adams: Gadsden
June 15, 2017
“MIX” Comments

• Chris Oliver (Troy)
  • “Troy Bypass, which is typically mowed 5 times a season, was only mowed 3 times this season.”
  • “When we did mow, the cut was cleaner and took less time.”

• Sam Thomas (Eufaula)
  • “Following the Mix application on US 431 it only took 3 weeks to mow versus 5 in the past.”

• Jessie Miller (Tuscumbia)
  • “End of June and still not mowing in District 1. Outstanding.”
US 72 in Jackson County

Pictures taken on May 6, 2019
Mowed September 13, 2018
“Mix” applied late February 2019: Derigo (2 oz/A) applied in early May 2019
Mowed 8/1/2019
US 72 in Jackson County
THE “MIX”

Cons

• Does not address perennial grasses
• Does not provide season long control
• Limited window of opportunity
• Requires higher degree of management
• Ryegrass can germinate behind early season treatments
• Long term potential for glyphosate resistance
2018
2\textsuperscript{nd} year of Esplanade in the fall followed up with the Mix in the spring

Picture taken 8/14/2018;
No line trimming done YTD; none for the remainder of the year
Pictures taken in July, 2019

September 6, 2018: Esplanade 200 SC @ 5.0 oz/A

May 1, 2019: Derigo @ 2.0 oz/A + Milestone @ 5.0 oz/A

August 2019: Target 6 @ 2.0 pints/A + Weed Rhap @ 2.0 pints/A

1 mowing cycle per year
Pictures taken in July, 2019

September 4, 2018: Esplanade @ 5.0 oz/A
May 6, 2019: Derigo @ 2.0 oz/A + Milestone @ 5.0 oz/A
August 2019: Target 6 @ 2.0 pints/A + Weed Rhap @ 2.0 pints/A
1 mowing cycle per year
Pros

Reduced interaction between mowers / workers and traveling public
ESPLANADE 200 SC

• Pros
  • Reduced interaction between mowers / workers and traveling public
  • Larger window of opportunity
  • No resistance issues
  • Monies and labor can be re-directed to other needs within the District
    • Contract price for line trimming is $0.11 per linear foot
      • Assume a 5 foot swath = $958.32 / A
      • Assume a 10 foot swath = $479.16 / A
      • Assume a 15 foot swath = $319.44 / A
Fall Application of Esplanade 200 SC + glyphosate
Fall Application of Esplanade 200 SC + glyphosate
Late Spring Application of Derigo + Method 240 SL
ESPLANADE 200 SC

• Cons
  • Not for every route; does not address perennial grasses or broadleaves
  • More costly than traditional treatments; must delete a minimum of one mowing or trimming cycle
  • Bad treatment patterns will be exposed
ESPLANADE 200 SC

Esplanade 200 SC is not overly mobile in the soil

This product will force our folks to become better applicators
QUESTIONS?

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