Taking the guesswork out of Aerial Cover Crop Application
Key points of discussion

- Researching your applicator
- Aerial vs. Ground applied
- Timing of application
Be Knowledgeable of Your Applicator
Questions to ask....
 How many years of experience?
 Can they provide references with testimonials?
 Are they efficient with their time between loads?
- Are they using the most modern equipment and latest guidance systems?
- Will they furnish as applied mapping on a real time basis?
Use Report

Customer

<table>
<thead>
<tr>
<th>Name</th>
<th>Farm</th>
<th>Field</th>
<th>Crop</th>
<th>County</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Address:

Office:  
Contact:  
Cell:  
Alt:  
Email:  

Field Information

<table>
<thead>
<tr>
<th>Address</th>
<th>Field</th>
<th>Crop</th>
<th>County</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Office:  
Contact:  
Cell:  
Alt:  
Email:  

Application Company

<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agriflile Services Inc</td>
<td>30666 CR 36</td>
</tr>
</tbody>
</table>

Office: 574-882-4392  
Contact: David Eby  
Cell: 574-536-1901  
Alt: 800-686-2474  
Email: dave@agrilite.com

Applicator Information

<table>
<thead>
<tr>
<th>Pilot</th>
<th>License #</th>
<th>Certification #</th>
<th>Date</th>
<th>Time Start</th>
<th>Time Stop</th>
<th>Wind Direction</th>
<th>Wind Speed</th>
<th>Temp</th>
<th>Equipment Type</th>
<th>Equipment ID</th>
</tr>
</thead>
<tbody>
<tr>
<td>01_Garrett Eby</td>
<td>F37923</td>
<td>10765</td>
<td>2010-09-09</td>
<td>10:00</td>
<td>14:45</td>
<td>Lgt &amp; Var</td>
<td>Calm</td>
<td>70</td>
<td>Aircraft</td>
<td>N602L</td>
</tr>
</tbody>
</table>

Comments

Type to enter text

<table>
<thead>
<tr>
<th>Material</th>
<th>Active Ingredient</th>
<th>% Active</th>
<th>EPA Number</th>
<th>REI</th>
<th>RU</th>
<th>Treated Pest</th>
<th>Rate</th>
<th>Completed Acres</th>
<th>Total Product</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bruiser Annual</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>10 lb/ac</td>
<td>19.23</td>
<td>192.30 lbs</td>
</tr>
<tr>
<td>Cereal Rye</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>28 lb/ac</td>
<td>19.23</td>
<td>538.44 lbs</td>
</tr>
<tr>
<td>Radish Oilseed</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>5 lb/ac</td>
<td>19.23</td>
<td>96.15 lbs</td>
</tr>
</tbody>
</table>

February 21, 2011, 10:09
Have they performed field research with various seed mixes to perfect air speed and swath width?
Can they apply premixed seed with a one pass program?
Agriflite
Low Rate
Seed Distribution Testing
August 27 2010

Garrett Eby
Agriflite
Wakarusa, IN

Crimson Clover & Linx
Flight-Line Data

<table>
<thead>
<tr>
<th>Reg. Nbr.:</th>
<th>N602L</th>
<th>Series:</th>
<th>Pass-A</th>
<th>Avg</th>
</tr>
</thead>
<tbody>
<tr>
<td>Make/Model:</td>
<td>AT602</td>
<td>9</td>
<td>Aircraft Speed: (MPH)</td>
<td>150</td>
</tr>
<tr>
<td>Target Swath:</td>
<td>Ft.</td>
<td></td>
<td>Aircraft Height: (Ft.)</td>
<td>50.0</td>
</tr>
<tr>
<td>Target Rate:</td>
<td>20.0 Lb/A</td>
<td></td>
<td>Wind Velocity: (MPH)</td>
<td>0.0</td>
</tr>
<tr>
<td>Density:</td>
<td>45 Lb/Ft^3</td>
<td></td>
<td>Cross-wind: (MPH)</td>
<td>0.0</td>
</tr>
<tr>
<td>Spreader:</td>
<td>SSF13-38</td>
<td></td>
<td>Ambient Temp: (F)</td>
<td>75</td>
</tr>
<tr>
<td>Gate Set:</td>
<td></td>
<td></td>
<td>Relative Hum: (%)</td>
<td>50</td>
</tr>
</tbody>
</table>

Pass A

Sample Location (Ft.)

0 20 40 60 80 100 120 140

Deposit (Lb/A)

100 80 60 40 20 0

Averaged Pattern

Sample Location (Ft.)

0 20 40 60 80 100 120 140

Deposit (Lb/A)

100 80 60 40 20 0
Will your field look like this?????
Or this???
Logistics???
Why should you consider aerial application?

VS.
Aerial Benefits

- No excessive wheels tracks
- No added compaction
- Questionable field conditions
- Taller crops limiting ground access
- Manpower
- Lack of equipment
Timing of Application...
When is the right TIME?
Research has proven that ideally you need five to six weeks of growing time for cover crops to achieve maximum winter hardiness and performance.
In standing corn, aerial application should occur when plant is dried approximately to the ear.
In soybeans, you should have approximately thirty to fifty percent yellowing of the leaves.
To achieve better success with your cover crops, approximately fifty percent of sunlight needs to be reaching the ground.
You need to avoid applying cover crops to immature fields. Most likely the seed will germinate and rot due to excessive moisture and lack of photosynthesis.
In Review....

✓ Know your applicator
✓ Consider your advantages over conventional ground application
✓ Timing is the key to success!
Thank you!

Have a Safe and Successful 2011 growing season!