Spartan FL 4F Herbicide Quick Facts

- Flexible application timing: pre-transplant, post transplant to dormant plants and row middles
- 12 hour REI
- Spartan FL 4F herbicide is taken up through the roots and shoots which inhibits the production of enzymes required for the formation of chlorophyll
- HRAC Group 14

Spartan FL 4F Herbicide Use Rate Table - Strawberry

<table>
<thead>
<tr>
<th>Soil Texture</th>
<th>% Organic Matter</th>
<th>Broadcast Rate</th>
<th>Fluid Ounces Spartan FL 4F herbicide/A</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Coarse</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Medium</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Fine</td>
</tr>
<tr>
<td>&lt;1.5%</td>
<td></td>
<td>2.25-3.0</td>
<td>3.0 – 4.5</td>
</tr>
<tr>
<td>1.5 – 3.0 %</td>
<td></td>
<td>3.0-6.0</td>
<td>6.0 – 8.0</td>
</tr>
<tr>
<td>&gt;3.0%</td>
<td></td>
<td>6.0 – 8.0</td>
<td>6.0 – 8.0</td>
</tr>
</tbody>
</table>

Use higher rates for soils of pH less than 7.0 and lowest rates for pH greater than 7.0 within the rate range. Do not use on soils classified as sand which have less than 1% OM.

Contact your local FMC Representative for more information:

Eric Johnson
RMM – FL
352-281-2325
eric.r.johnson@fmc.com

Craig Heim
Technical Services Manager
856-261-5659
craig.heim@fmc.com

APPLICATION GUIDELINES FOR NEW STRAWBERRY PLANTINGS

Pre-Transplant
- Apply Spartan FL 4F herbicide before transplanting and before weed seedlings have emerged.
- Spartan FL 4F herbicide may be applied in combination with or followed by other herbicides labeled for use on strawberries.
- For strawberries grown with plastic or organic mulches, apply Spartan FL 4F herbicide to the soil surface before installing the mulch.
- Condensation under plastic mulch will provide adequate moisture to activate the herbicide.
- DO NOT apply Spartan FL 4F herbicide over the top of plastic or organic mulch.
APPLICATION GUIDELINES FOR ESTABLISHED STRAWBERRY PLANTINGS

Dormancy
• Apply to established strawberry plantings at dormancy
• Spartan® FL 4F herbicide applications to desirable foliage may cause severe crop injury
• If emerged weeds are present at the time of application, tank mix Spartan FL 4F herbicide with another herbicide labeled for use in strawberries with post-emergent activity
• DO NOT apply within 56 days of harvest (PHI = 56 days)

APPLICATION GUIDELINES FOR STRAWBERRY ROW MIDDLES (WHEEL ROWS)
• Apply Spartan FL 4F herbicide in a band to row middles using a hooded, shielded sprayer. Do not allow spray to contact emerged strawberries.
• If emerged weeds are present, tank mix Spartan FL 4F herbicide with another herbicide with post-emergent activity labeled for use in strawberries.
• Use a quality, federally approved nonionic surfactant (NIS) at the rate of 0.25% v/v
• Minimize spray contact with the plastic bed cover to prevent strawberries from contacting treated plastic or washing of the herbicide into the plant hole. DO NOT apply directly to plastic mulch
• DO NOT apply within three days of harvest (PHI = 3 days)

WEEDS AND SEDGES CONTROLLED:
When applied according to directions, SPARTAN FL 4F herbicide will provide control or suppression of:

| Bindweed, field (seedling) suppression | Nightshade, Black |
| Cheeseweed | Nightshade, Eastern Black |
| Knotweed, common | Pigweed, prostrate |
| Ladysthumb | Pigweed, smooth |
| Lambsquarters, common | Pineapple weed |
| Mayweed | Prostrate knotweed |
| Mallow, common | Purslane, common |
| Mallow, little | Shepherd’s-purse |
| Morningglory, ivyleaf | Waterhemp, common |
| Nettle, burning | Waterhemp, tall |

Kyllinga, green
Kyllinga brevifolia
Kyllinga, false green
Kyllinga gracillima
Nutsedge, purple
Cyperus rotundus
Nutsedge, yellow
Cyperus esculentus
Sedge, cylindrical
Cyperus retrorsus
Sedge, globe
Cyperus globulosus
Sedge, Surinam
Cyperus surinamensis
Sedge, Texas
Cyperus polystachyos

Restrictions
• Do not apply more than 8 ounces (0.25 pound active) per acre of Spartan FL 4F herbicide per application or 12 ounces (0.375 pound active) per 12-month period for preplant, dormant, or post-emergent uses combined. The 12-month period is considered to begin upon the initial Spartan FL 4F herbicide application
• Do not apply directly on the crop after the crop emerges. Apply using ground equipment only
• Do not use air blast sprayer or apply by air
• Do not use on soils classified as sand which have less than 1% OM

888-59-FMC-AG  FMCCROP.COM
Always read and follow label directions. Spartan FL 4F is not registered for sale or use in California. FMC and Spartan are trademarks and HatchTrak and “Investing in farming’s future” are service marks of FMC Corporation or an affiliate. ©2017 FMC Corporation. All rights reserved.