INERT INGREDIENTS:
CLEANING OF EQUIPMENT OR DISPOSAL OF
WASTE MAY BE FATAL BY
AVOID BREATHING DUST OR
OF STREAMS OR PONDS. DO NOT CONTAMINATE
PROPACHLOR
TINATE-R
THIS PRODUCT IS TOXIC TO FISH.
TILIZERS, INSECTICIDES OR FUNGICIDES WITH PROPACHLOR
DO NOT
MAY
IT
emergence. (See instructions under corn and sorghum for information
on delayed pre-emergence applications.) The soil surface should
be freshly worked and free of weed top growth. The seedbed should
be fine, firm and free of clods and trash. Avoid making application during periods of strong, gusty winds above 15 mph.

FOR BEST RESULTS, USE FLAT FAN-TYPE NOZZLES RATHER THAN THE CONE TYPE. TO PREVENT LOSS OF THE CHEMICAL DUE TO DRIFT OF TOO FINE A MIST, APPLY PROPACHLOR 65W SPRAY WITH PRESSURE FROM 20 TO 40 PSI. FOR OVER-ALL (BROADCAST) TREATMENT, USE 8003 OR LARGER SIZE TEE-JET OR SIMILAR NOZZLE TIPS. FOR BAND APPLICATION, USE TEE-JET 8003-E OR LARGER SIZE. WHEN USING THE 80-SERIES TEE-JET OR COMPARABLE NOZZLES, PLACEMENT OF THE NOZZLES SHOULD BE APPROXIMATELY 7 INCHES ABOVE THE GROUND TO SPRAY A 13-INCH BAND.

SPRAYER CALIBRATION:
FOR BROADCAST APPLICATION, USE THE FOLLOWING PROCEDURE TO CALIBRATE A BOOM-TYPE SPRAYER:
a. Fill the tank with water and adjust pressure at 20-40 psi.
b. Spray 40 rods (660 feet) in the field to be sprayed or on a similar field. Mark the throttle so that uniform speeds can be maintained later.
c. Refill the tank and measure the amount of water required for refilling.
d. Calculate the amount of liquid per acre as applied as follows:

\[
\text{Number of gallons used x 66} = \frac{\text{gallons applied}}{\text{width of boom in feet}} \times \frac{\text{per acre}}
\]

Example: If 9 gallons were used while spraying 40 rods and the boom width is 20 feet, the spraying rate is 30 gallons per acre.

\[
9 \times 66 = \frac{30 \text{ gallons per acre}}{20}
\]

For band application, calibrate the sprayer by collecting the water from one nozzle and determine the gallon per acre from the table below:

<table>
<thead>
<tr>
<th>GALLONS OF SPRAY</th>
<th>OUNCES PER MINUTE FROM</th>
</tr>
</thead>
<tbody>
<tr>
<td>PER GROSS ACRE</td>
<td>ONE NOZZLE AT</td>
</tr>
<tr>
<td>(at 40” row spacing)</td>
<td>3 MPH</td>
</tr>
<tr>
<td>7</td>
<td>18</td>
</tr>
<tr>
<td>8</td>
<td>21</td>
</tr>
<tr>
<td>9</td>
<td>23</td>
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<td>10</td>
<td>26</td>
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<td>11</td>
<td>28</td>
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<td>12</td>
<td>30</td>
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<td>13</td>
<td>34</td>
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<tr>
<td>14</td>
<td>36</td>
</tr>
<tr>
<td>15</td>
<td>38</td>
</tr>
</tbody>
</table>

After determining your gallons-per-acre spray delivery, calculate the amount of PROPACHLOR 65W required for your tank capacity as follows:

\[
\text{Lbs. PROPACHLOR 65W} \times \frac{\text{X Spray Tank Capacity}}{\text{Gallon Capacity}} = \text{Pounds}
\]

DIRECTIONS FOR USE
FIELD CORN, HYBRID SEED CORN:
BROADCAST (over-all treatment) – 65W in 20 or more gallons of water per acre prior to emergence of weeds. See table below for recommended broadcast rates for various soil textures and levels of organic matter. Higher rates may be required for certain weed infestations, use the higher rate in such situations.

APPLICATIONS IN NITROGEN FERTILIZERS are applied one week prior to planting and by broadcasting. 65W can be mixed in non-pressure fertilizer or side-dressed after planting as a pre-planting or delayed pre-emergence treatment.

BAND TREATMENT (Behind Press Wheel) – A rate of 8 to 9 pounds per acre in 20 or more gallons of water per acre is recommended. Band application may be made pre-emergence or at the 2-leaf stage. Band application is generally applied at the rate of 1 gallon of water per linear foot of row length. Banding rates are based on the assumption that the soil is of normal texture. Lower rates will be required for heavy textured soils.

GENERAL INFORMATION
PROPACHLOR 65W is recommended for use as a pre-emergence spray to control most annual grasses and certain broadleaf weeds. It should be applied to the soil surface prior to weed and crop emergence. (See instructions under corn and sorghum for information on delayed pre-emergence applications.) The soil surface should be freshly worked and free of weed top growth. The seedbed should be fine, firm and free of clods and trash. Avoid making application during periods of strong, gusty winds above 15 mph.
It should be applied to the soil surface prior to weed and crop emergence. (See instructions under corn and sorghum for information on delayed pre-emergence applications.) The soil surface should be freshly worked and free of weed top growth. The seedbed should be fine, firm and free of clods and trash. Avoid making application during periods of strong, gusty winds above 15 mph.

SOME MOISTURE EITHER AS RAIN OR IRRIGATION IS REQUIRED SOON AFTER APPLICATION TO ACTIVATE PROPACHLOR 65W. ON LIGHT SANDY LOAM SOIL ONE-THIRD INCH OF RAINFALL, AND ON HEAVY CLAY AND/OR ORGANIC SOILS ONE-THIRD TO THREE-FOURTHS INCH OF RAINFALL IS REQUIRED DEPENDING UPON ORIGINAL SOIL MOISTURE. BEST RESULTS ARE OBTAINED WHEN MOISTURE OCCURS WITHIN 10 DAYS AFTER APPLICATION. GENERAL LOWER AMOUNTS OF RAINFALL ARE REQUIRED WHERE SOIL MOISTURE IS HIGH AT TIME OF PLANTING.

PROPACHLOR 65W WITH LESSER AMOUNTS OF RAINFALL IN SOME INSTANCES WILL ALLOW THE GRASS SEEDLINGS TO EMERGE. BUT THEY WILL BE SEVERELY STUNTED AND WITH A SUBSEQUENT CULTIVATION THEY CAN BE COVERED UP.

IF SOIL CRUSTING BECOMES A PROBLEM AND HOEING IS NECESSARY HOE IN THE SAME DIRECTION THE ROWS ARE PLANTED.

WITH BROADCAST TREATMENT, AS LONG AS PROPACHLOR 65W IS CONTROLLING THE GRASSES AND WEEDS, THERE IS NO NEED FOR CULTIVATION. FOR BAND TREATED FIELDS, WHEN FIRST CULTIVATION IS MADE, SET CULTIVATOR TO THROW SOIL INTO THE ROW COVERING THE BAND.

NOTE: DO NOT GRAZE OR FEED SORGHUM (MILO) FORAGE OR SILAGE FROM TREATED FIELDS TO DAIRY ANIMALS.

SPRAYER EQUIPMENT AND MIXING INSTRUCTIONS: TO ACHIEVE THE BEST SPRAY MIX, PROCEED AS FOLLOWS: (1) FILL TANK ONE-HALF TO THREE-FOURTHS FULL WITH WATER. (2) OPEN BAG AT TOP OF NECK AND ADD APPROXIMATELY 2 TO 2.5 GALLONS OF WATER TO FILL LINE ON BAG. GRASP THE NECK OF THE BAG TIGHTLY AND SHAKE VIGOROUSLY FOR ONE MINUTE AND POUR SLURRY IMMEDIATELY INTO THE TANK. (3) ADD THE PROPACHLOR 65W SLURRY TO THE TANK WHILE AGITATING. (4) FILL THE REMAINING PORTION OF THE TANK WITH WATER. KEEP PRODUCT IN SUSPENSION AT ALL TIMES THROUGH MECHANICAL MEANS OR WITH BY-PASS OR JET AGITATION FROM THE PUMP. IF SPRAY MIXTURE IS ALLOWED TO SETTLE, THOROUGH AGITATION IS REQUIRED TO SUSPEND THE MIXTURE BEFORE RESUMING SPRAYING. KEEP BY-PASS LINE ON OR NEAR BOTTOM OF TANK TO MINIMIZE FOAMING. SCREENS IN NOZZLE OR LINE STRainers SHOULD BE NO FINER THAN 50 MESH SIZE. CAREFULLY SELECT PROPER NOZZLES TO AVOID SPRAYING A FINE MIST.

After determining your gallons-per-acre spray delivery, calculate the amount of PROPACHLOR 65W required for your tank capacity as follows:

\[
\text{Lbs. PROPACHLOR 65W} = \frac{\text{Spray-Tank} \times \text{Gallon Capacity}}{\text{Gallons (Spray) per Gross Acre}} \times \text{Spray-Tank} \times \text{Pounds to mix in spray tank}
\]

For example: If your sprayer delivers 10 gallons per acre in the band and you have a 100-gallon-capacity tank and you are applying PROPACHLOR 65W at two pounds per acre, you should mix 20 pounds in 100 gallons of water to band-treat 10 acres.

\[
2 \times 100 = 20 \text{ lbs. PROPACHLOR 65W to mix in spray tank.}
\]

Calibrate application equipment carefully to avoid applying too little or too much material.

WEEDS CONTROLLED:

- Annual ryegrass
- Lolium spp.
- Barnyardgrass (Watergrass)
- Echinochloa crusgalli
- Carpetweed
- Mollugo verticillata
- Crabgrass
- Digitaria spp.
- Fall panicum
- Panicum dichotomiflorum
- Florida pusley
- Richardia scabra
- Giant foxtail (Wild Millet)
- Setaria faberii
- Green foxtail
- Setaria viridis
- Yellow foxtail
- Setaria glauca
- Goosegrass
- Eleusine indica
- Groundsel
- Senecia vulgaris
- Lambquarters
- Chenopodium album
- Pigweed
- Amaranthus spp.
- Purslane
- Portulaca oleracea
- Ragweed
- Ambrosia artemisiifolia
- Sheepshead sp.*
- Capsella bursa-pastoris
- Smartweed*
- Polygonum persicaria only
- Wild buckwheat*
- Polygonum convolvulus

* At 8 to 9 pounds PROPACHLOR 65W per acre.

PROPACHLOR 65W WILL NOT CONTROL: Johnsongrass, Canada thistle, field bindweed, quackgrass, morningglory, cocklebur and bull nettle.

FOR FURROW IRRIGATED CO:

PROPACHLOR 65W must be ino or rotary hoe for weed control or at least one-half inch but not more incorporation deeper than 2 inch.

If applied on very dry soil, irrigate 65W. See the above table for n levels of organic matter.

GRAIN SORGHUM (MILO):

BROADCAST lower-all treatment rate of 8 to 9 pounds per acre in 2

If heavy rains follow application furrow may not provide as good as bottom of the furrow.

BAND TREATMENT (Behind PI row (40 inch spacing), apply in 4 or more gallons of water per a

FOR FURROW IRRIGATED CO:

PROPACHLOR 65W must be ino or rotary hoe for weed control or at least one-half inch but not more incorporation deeper than 2 inch.

If applied on very dry soil, irrigate 65W. See the above table for n levels of organic matter.

SOYBEANS (to be grown for seed

Apply 6 to 7.5 pounds of PROP/ acre after planting and prior to band spray over row (40 inch spa of water per acre.

Do not use Soybean seed for food.

Do not graze or feed forage from t
PROPACHLOR 65W HERBICIDE

- TYPE NOZZLES RATHER THAN THE CHEMICAL DUE TO DRIFT OF HERBICIDE SPRAY WITH PRESSURE L (BROADCAST TREATMENT), USE SIMILAR NOZZLE TIPS. FOR BAND OR LARGER SIZE. WHEN USING THE LE NOZZLES, PLACEMENT OF THE ELY 7 INCHES ABOVE THE GROUND

THE FOLLOWING PROCEDURE TO:

- Insure at 20-40 psi,
- to be sprayed or on a similar field. Mark
- amount of water required for refilling.

<table>
<thead>
<tr>
<th>gallons applied</th>
<th>per acre</th>
</tr>
</thead>
<tbody>
<tr>
<td>30 gallons per acre</td>
<td></td>
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</tbody>
</table>

- jeder by collecting the water from one

<table>
<thead>
<tr>
<th>OUNCES PER MINUTE FROM ONE NOZZLE AT</th>
<th>4 MPH</th>
<th>5 MPH</th>
<th>6 MPH</th>
</tr>
</thead>
<tbody>
<tr>
<td>24</td>
<td>30</td>
<td>36</td>
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<td>48</td>
<td>60</td>
<td>72</td>
<td></td>
</tr>
<tr>
<td>51</td>
<td>63</td>
<td>76</td>
<td></td>
</tr>
</tbody>
</table>

Therefore, spray delivery, calculate the amount of tank capacity as follows:

- Spray-Tank = Pounds
- Gallon Capacity
- PROPACHLOR 65W

**DIRECTIONS FOR USE**

**FIELD CORN, HYBRID SEED CORN, SILAGE CORN AND SWEET CORN:**

**BROADCAST (over-all treatment) — Apply 6 to 9 pounds of PROPACHLOR 65W in 20 or more gallons of water per acre on soil surface after planting and prior to emergence of weeds.**

**APPLICATIONS IN NITROGEN FERTILIZER SOLUTIONS — PROPACHLOR 65W can be mixed in non-pressure fertilizer solutions and sprayed on the soil surface if applications are made before crop and grasses emerge.**

- For early post-emergence treatments:
- If PROPACHLOR 65W applications are not made at time of planting or immediately thereafter, PROPACHLOR 65W can be applied until the grass reaches the 2-leaf stage. Best results will be obtained if rainfall occurs within 5 to 7 days after application. Applications beyond the 2-leaf stage will not provide satisfactory results.
- For early post-emergence applications use the higher rates listed in 20 or more gallons of water per acre as a broadcast treatment.

**FOR LISTER OR DEEP FURROW PLANTED CORN:**

**BROADCAST (over-all treatment) — Apply PROPACHLOR 65W at the broadcast rate of 8 to 9 pounds per acre in 20 or more gallons of water.**

**USE (PROPACHLOR 65W PLUS ATRAZINE 80W) TANK MIXTURE ONLY ON FIELD CORN, HYBRID SEED CORN, SILAGE CORN, SWEET CORN AND GRAIN SORGHUM (ML):**

**PROPACHLOR 65W PLUS ATRAZINE 80W TANK MIXTURE:**

When ATRAZINE 80W is used with PROPACHLOR 65W the mixture will also control these additional weeds:

- Annual morning glory
- Impomera purpurea
- Buttonweed (Velvetleaf)
- Abutilon theophrasti
- Cocklebur
- Xanthium pennsylvanicum
- Kochia
- Kochia scoparia
- Jimsonweed
- Datura stramonium

This herbicide tank mixture WILL NOT CONTROL: Johnsongrass, Canada thistle, field bindweed and bull nettle.

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- Kochia
- Kochia scoparia
- Jimsonweed
- Datura stramonium

This herbicide tank mixture WILL NOT CONTROL: Johnsongrass, Canada thistle, field bindweed and bull nettle.

**FIXME**

**BROADCAST RATE PER ACRE**

<table>
<thead>
<tr>
<th>SOIL TEXTURE</th>
<th>Less than 3% organic matter</th>
<th>More than 3% organic matter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light Sandy Soils</td>
<td>6 to 7 lbs.</td>
<td>7 to 7.5 lbs.</td>
</tr>
<tr>
<td>Silt Loam Soils</td>
<td>7 to 7.5 lbs.</td>
<td>8 to 8.5 lbs.</td>
</tr>
<tr>
<td>Heavy Clay Soils</td>
<td>8 to 8.5 lbs.</td>
<td>8.5 to 9 lbs.</td>
</tr>
</tbody>
</table>

**BAND TREATMENT (Behind Press Wheel) — Apply PROPACHLOR 65W in 8 or more gallons of water per acre on soil surface after planting and prior to emergence of either crop or weeds. To compute the rate needed per acre for a band treatment, divide your band width by the inches between the crop rows and multiply the answer by the recommended broadcast rate in pounds.**

- APPLICATIONS IN NITROGEN FERTILIZER SOLUTIONS — PROPACHLOR 65W can be mixed in non-pressure fertilizer solutions and sprayed on the soil surface if applications are made before crop and grasses emerge. Fertilizer contact with emerged corn will result in injury.

**FOR EARLY POST-EMERGENCE TREATMENTS:**

- If PROPACHLOR 65W applications are not made at time of planting or immediately thereafter, PROPACHLOR 65W can be applied until the grass reaches the 2-leaf stage. Best results will be obtained if rainfall occurs within 5 to 7 days after application. Applications beyond the 2-leaf stage will not provide satisfactory results.
- For early post-emergence applications use the higher rates listed in 20 or more gallons of water per acre as a broadcast treatment.

**PROPACHLOR 65W PLUS ATRAZINE 80W TANK MIXTURE:**

- This herbicide tank mixture WILL NOT CONTROL: Johnsongrass, Canada thistle, field bindweed and bull nettle.

**BROADCAST RATE IN POUNDS PER ACRE**

<table>
<thead>
<tr>
<th>SOIL TEXTURE</th>
<th>PROPACHLOR 65W</th>
<th>ATRAZINE 80W</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light Sandy Soils</td>
<td>3.8 lbs.</td>
<td>1.3 lbs.</td>
</tr>
<tr>
<td>Silt Loam Soils</td>
<td>4.5 lbs.</td>
<td>1.5 lbs.</td>
</tr>
<tr>
<td>Heavy Clay Soils</td>
<td>4.5 lbs.</td>
<td>1.5 to 1.8</td>
</tr>
</tbody>
</table>

**IMPORTANT** — See sprayer equipment and mixing instructions. The proper amount of ATRAZINE 80W should be added at step 2 in this section. Apply with 20 or more gallons of water per acre on the soil surface after planting and prior to emergence of either crop or weeds. Thorough agitation will be necessary after mixing both products to insure an even application for best results.

**BAND TREATMENT (Behind Press Wheel) — Apply the tank mixture in 8 or more gallons of water per acre on soil surface after planting and prior to emergence of either crop or weeds. To compute the rate needed per acre for a band treatment, divide your band width by the inches between the crop rows and multiply the answer by the recommended broadcast rate in pounds.**

**Table above for recommended broadcast rates on various soil textures and levels of organic matter. In areas of heavy grass or broadleaf weed infestations, use the higher rate in the recommended ranges.**

**BAND TREATMENT (Behind Press Wheel) — For a 7 inch band sprayed over**

<table>
<thead>
<tr>
<th>SOIL TEXTURE</th>
<th>PROPACHLOR 65W</th>
<th>ATRAZINE 80W</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light Sandy Soils</td>
<td>3.8 lbs.</td>
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**BAND TREATMENT (Behind Press Wheel) — Apply the tank mixture in 8 or more gallons of water per acre on soil surface after planting and prior to emergence of either crop or weeds. To compute the rate needed per acre for a band treatment, divide your band width by the inches between the crop rows and multiply the answer by the recommended broadcast rate in pounds.**

**Table above for recommended broadcast rates on various soil types. In areas of heavy grass or broadleaf weed infestations, use the higher rate in the recommended ranges.**

**BAND TREATMENT (Behind Press Wheel) — For a 7 inch band sprayed over**
FOR LISTER OR DEEP FURROW PLANTED CORN:

BROADCAST (over-all treatment) – Apply PROPACHLOR 65W at the broadcast rate of 8 to 9 pounds per acre in 20 or more gallons of water.

If heavy rains follow application, the treatment on the top and sides of the furrow may not provide as good weed and grass control as that obtained in the bottom of the furrow.

BAND TREATMENT (Behind Press Wheel) – For a 7 inch band sprayed over the row (40 inch spacing), apply 1.4 pounds of PROPACHLOR 65W per acre in 4 or more gallons of water per acre.

FOR FURROW IRRIGATED CORN:

PROPACHLOR 65W must be incorporated into the soil by harrow, finger weeder or rotary hoe for weed control on furrow irrigated land. Shallow incorporation of at least one-half inch but not more than 2 inches is most effective for weed control. Incorporation deeper than 2 inches will result in unsatisfactory weed control.

If applied on very dry soil, irrigation is necessary to activate PROPACHLOR 65W. See the above table for recommended rates on various soil textures and levels of organic matter.

GRAIN SORGHUM (MILO):

BROADCAST (over-all treatment) – Apply 6 to 7.5 pounds of PROPACHLOR 65W in 20 or more gallons of water per acre on soil surface after planting and prior to emergence of weeds. The higher rate should be used on high organic soils or in areas of heavy grass and broadleaf weed infestations.

BAND TREATMENT (Behind Press Wheel) – (13 inch band 40 inch row spacing) – Apply 2 to 2.5 pounds of PROPACHLOR 65W in 8 or more gallons of water per acre on soil surface after planting and prior to emergence of weeds. In areas of heavy grass or broadleaf weed infestations, use the higher rate in the recommended ranges.

APPLICATIONS IN NITROGEN FERTILIZER SOLUTIONS – PROPACHLOR 65W can be mixed in non-pressure fertilizer solutions and sprayed on the soil surface if applications are made before crop and grasses emerge. Fertilizer contact with emerged corn will result in injury.

SOYBEANS (to be grown for seed only):

Apply 6 to 7.5 pounds of PROPACHLOR 65W in 20 or more gallons of water per acre after planting and prior to emergence of either crop or weeds. For 13 inch band spray over row (40 inch spacing), apply 2 to 2.5 pounds in 8 or more gallons of water per acre.

Do not use Soybean seed for food, feed or oil purposes.

Do not graze or feed forage from treated areas.

Manufactured for: ACETO CHEMICAL CO., INC. AGRICULTURAL CHEMICALS DIV. 126-02 NORTHERN BOULEVARD, FLUSHING, N.Y. 11363