

HERBICIDES & PESTICIDES EBOOKS



**BROMOXYNIL**

**225 GRAMS / LITER**

**EMULSIFIABLE CONCENTRATE**

**( 225 EC ) HERBICIDE**

**FORMULATIONS**

**EBOOKS**

## HERBICIDES & PESTICIDES EBOOKS



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**BROMOXYNIL**  
**225 GRAMS / LITER**  
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**HERBICIDE**

**EMULSIFIABLE**

**CONCENTRATE**

**( EC )**

**FORMULATIONS**

**BROMOXYNIL 225 GRAMS / LITER  
( 225 EC ) HERBICIDE  
PRODUCTION PROCESS – I**

<b>INGREDIENTS</b>	<b>CAS NUMBER</b>	<b>W / W ( Weight to weight )</b>
<b>BROMOXYNIL ( % 95.2 )</b>	<b>1689-84-5</b>	<b>23.650 Kg</b>
<b>AGNIQUE TSP 15 ( Trade Name ) ( Emulsifier )</b>	<b>MIXTURE</b>	<b>6 Kg</b>
<b>AGNIQUE CSO 20 ( Trade Name ) ( Emulsifier )</b>	<b>MIXTURE</b>	<b>2 Kg</b>
<b>AGNIQUE BL 1281 ( Trade Name ) ( Emulsifier )</b>	<b>MIXTURE</b>	<b>1 Kg</b>
<b>XYLENE ( Solvent )</b>	<b>1330 – 20-7</b>	<b>68.850 Kg</b>

**PROCESS:** Add xylene into a mixing tank. Start to mix. Add bromoxynil and mix until dissolve in the solvents completely. Continue to mix. Add emulsifiers while mixing. Continue to mix until homogenous. Homogenous is enough. Mixing is stopped and process is completed.

**NOTE:** Specific Gravity of Product is 1.025

**NOTE:** The active matter used above is dangerous. So, production and application should be considered.

**BROMOXYNIL 225 GRAMS / LITER  
( 225 EC ) HERBICIDE  
PRODUCTION PROCESS – 2**

<b>INGREDIENTS</b>	<b>CAS NUMBER</b>	<b>W / W ( Weight to weight )</b>
<b>BROMOXYNIL ( % 95.2 )</b>	<b>1689 - 84 - 5</b>	<b>23.650 Kg</b>
<b>AGNIQUE TSP 15 ( Trade Name ) ( Emulsifier )</b>	<b>MIXTURE</b>	<b>6 Kg</b>
<b>AGNIQUE ABS 65 C4 ( Trade Name ) ( Emulsifier )</b>	<b>MIXTURE</b>	<b>2 Kg</b>
<b>NONYLPHENOL ETHOXYLATE ( NP: 10 )</b>	<b>26027 - 38-3</b>	<b>2 Kg</b>
<b>DIMETHYLFORMAMIDE ( Solvent )</b>	<b>68 – 12 – 2</b>	<b>5 Kg</b>
<b>CYCLOHEXANONE ( Solvent )</b>	<b>108 – 94 – 1</b>	<b>5 Kg</b>
<b>XYLENE ( Solvent )</b>	<b>1330 – 20-7</b>	<b>58.850 Kg</b>

**PROCESS:** Add solvents into a mixing tank. Start to mix. Add bromoxynil and mix. Dissolve flusilazole in the solvents completely. Add emulsifiers while mixing. Continue to mix until homogenous. Homogenous is enough. Mixing is stopped and process is completed.

**NOTE:** Specific Gravity of Product is 1.025

**NOTE:** The active matter used above is dangerous. So, production and application should be considered.

**BROMOXYNIL 225 GRAMS / LITER  
( 225 EC ) HERBICIDE  
PRODUCTION PROCESS – 3**

<b>INGREDIENTS</b>	<b>CAS NUMBER</b>	<b>W / W ( Weight to weight )</b>
<b>BROMOXYNIL ( % 95.2 )</b>	<b>1689-84-5</b>	<b>23.650 Kg</b>
<b>AGNIQUE TSP 15 ( Trade Name ) ( Emulsifier )</b>	<b>MIXTURE</b>	<b>5 Kg</b>
<b>AGNIQUE BL 1594 ( Trade Name ) ( Emulsifier )</b>	<b>MIXTURE</b>	<b>2 Kg</b>
<b>AGNIQUE ABS 65 C4 ( Trade Name ) ( Emulsifier )</b>	<b>MIXTURE</b>	<b>1 Kg</b>
<b>COCAMIDE DEA ( Emulsifier )</b>	<b>68603-42-9</b>	<b>1 Kg</b>
<b>CYCLOHEXANONE ( Solvent )</b>	<b>108 – 94 – 1</b>	<b>10 Kg</b>
<b>XYLENE ( Solvent )</b>	<b>1330 – 20-7</b>	<b>59.850 Kg</b>

**PROCESS:** Add solvents into a mixing tank. Start to mix. Add bromoxynil while mixing. Dissolve flusilazole in the solvents completely. Add emulsifiers while mixing. Continue to mix until homogenous. Homogenous is enough. Mixing is stopped and process is completed.

**NOTE:** Specific Gravity of Product is 1.025

**NOTE:** The active matter used above is dangerous. So, production and application should be considered.



## **BROMOXYNIL ( 225 EC ) 225 GRAMS / LITER**

### **APPLICATIONS AND USAGE**

<b>PLANTS</b>	<b>WEEDS</b>	<b>DOSAGE</b>
Cereals	Thlaspi Arvense	150 ml / decares
Cereals	Lamium Spp.	150 ml / decares
Cereals	Galium Tricornutum	150 ml / decares
Cereals	Centaurea Cyanus	150 ml / decares
Cereals	Myagrum Perfoliatum	150 ml / decares
Cereals	Adonis Flammea	150 ml / decares
Cereals	Centaurea Depressa	150 ml / decares
Cereals	Turgenia Latifolia	150 ml / decares
Cereals	Boreava Orientalis	150 ml / decares
Cereals	Sinapis Arvensis	150 ml / decares
Corn	Xanthium Strumarium	150 ml / decares
Corn	Sonchus Arvensis	150 ml / decares
Corn	Amaranthus Retroflexus	150 ml / decares
Corn	Cirsium Arvense	150 ml / decares
Corn	Chenopodium Album	150 ml / decares
Corn	Sinapis Arvensis	150 ml / decares

<b>USAGE</b>
<p>The plant protection product calculated according to the recommendation dose is first mixed with some water in a separate container. The tank of the application machine is half filled with water. When the machine mixer is running, the plant protection product and the water mixture are added to the tank. Continue to mix with the tank is completed with water. Stirring is continued until the application is completed. The prepared mixture should be used on the same day.</p>