

VAPODIM-24% EC

HERBICIDE
EMULSIFIABLE CONCENTRATE

VAPCO

Class:
Cyclohexanedione
Oxime

Selective, systemic and post-emergence herbicide for control of annual and perennial grass weeds.

COMPOSITION: Each Liter contains:

CLETHODIM

24% W/V (A.I)

PROPERTIES:

VAPODIM-24% EC: Selective, systemic herbicide, which control annual and perennial grass weeds in broad-leaved crops as a post-emergence herbicide.

VAPODIM-24% EC: The treated weeds show a reduction in vigor and growth, a progressive collapse of the foliage, symptoms will generally be observed in 7 to 14 days after application.

USES AND APPLICATION RATE :

CROPS	APPLICATION RATE /20 LT WATER	NOTICE	(PHI) DAY
Alfalfa	9-24 ml	Do not apply more than 24 ml/20 lt water in a single application. Repeat applications in a minimum 14 day.	15 days before grazing, feeding or harvesting (cutting) for forage or hay
Asparagus	9-12 ml	Do not apply more than 12 ml /20 lt water in a single application. Repeat applications in a minimum 14 day.	3
Dry Shelled Including: Beans, Chickpea, Cowpea	9-24 ml	Do not apply more than 24 ml /20 lt water in a single application. Repeat applications in a minimum 14 day.	30
Beet	9-12 ml	Do not apply more than 12 m /20 Lt water in a single application. Repeat applications in a minimum 14 day	30
Canola	6 -9 ml	Do not apply after crop has begun bolting. Do not exceed 9 ml / 20 Lt water in a season.	70

• For more details about first aid & precautions please refer to first aid & precautions index.

CROPS	APPLICATION RATE /20 LT WATER	NOTICE	(PHI) DAY
Lettuce, parsley	9-12 ml	Do not apply more than 12 ml / 20 Lt water in a single application. Repeat applications in a minimum 14 day.	14
Cotton	9-24 ml	Do not graze in treated filed.	60
Cranberry	9-12 ml	Do not apply between the "hook" stage and full fruit set. Do not apply more than 12 ml / 20 Lt water in a single application. Repeat applications in a minimum 14 day.	30
Pumpkins, Squash, Watermelon, Muskmelon	9-12 ml	Do not apply more than 12 ml / 20 Lt water in a single application. Repeat applications in a minimum 14 day.	14
Non-crop or non-planted areas	9-24 ml	Do not plant any crop for 30 days following application unless it's mentioned in the table of uses.	N/A
Flax	9-12 ml	Do not exceed 12 in a one season. Make application prior to bloom. If applied during bloom, crop injury could occur.	60
Head & Stem Brassica Vegetables, Including: Broccoli, Cabbage, Cauliflower	9-12 ml	Do not apply more than 12 ml / 20 Lt water in a single application. Repeat applications in a minimum 14 day.	30
Herbs Including: Balm, basil, Chamomile, Chive, Coriander, Curry, Dillweed, Lavender, Rosemary, Sage	9-12 ml	Do not apply more than 12 ml / 20 Lt water in a single application. Repeat applications in a minimum 14 day.	14
Celery	9-12 ml	Do not apply more than 12 ml / 20 Lt water in a single application. Repeat applications in a minimum 14 day.	30

• For more details about first aid & precautions please refer to first aid & precautions index.

CROPS	APPLICATION RATE /20 LT WATER	NOTICE	(PHI) DAY
Legume Vegetables. Edible Podded Including: Bean, Pea	9-12 ml	Do not apply more than 12 ml / 20 Lt water in a single application. Do not apply more than one application per season. For peas apply before bloom, but no later than 21 days before harvest.	21
Lentils	9-24 ml	Do not apply more than 24 ml / 20 Lt water in a single application. Repeat applications in a minimum 14 day	30
Onions, Garlic (Dry Bulbs Only)	9-24 ml	Do not apply more than 24 ml/ 20 Lt water in a single application. Repeat applications in a minimum 14 day	45
Green Onion, Leeks	9-12 ml	----	14
Ornamentals	9-24 ml	Do not apply more than 24 ml / 20 Lt water in a single application.	N/A
Peanut	9-24 ml	----	40
Potato	9-24 ml	----	30
Sesame	9-12 ml	Do not apply during flowering. Do not apply more than 12 ml / 20 Lt water in a single application. Repeat applications in a minimum 14 day	14
Soybean	9-24 ml	Do not graze treated fields or feed treated forage or hay to livestock.	60
Strawberry	9-12 ml	Do not apply during flowering. Do not apply more than 12 ml / 20 Lt water in a single application. Repeat applications in a minimum 14 day	4
Sugar Beet	9-24 ml	----	40
Sweet Potato, Ginger, Artichoke	9-24 ml	Do not apply more than 12 ml / 20 Lt water in a single application. Repeat applications in a minimum 14 day.	30
Tomato	9-12 ml	Do not apply more than 12 ml / 20 Lt water in a single application Repeat applications in a minimum 14 day.	20

• For more details about first aid & precautions please refer to first aid & precautions index.

CAUTION:

- Used only on the crops mentioned in the table of uses and follow the recommended safety period before harvest.
- Do not apply by irrigation system.
- Maximum number of applications is 4.
- Not recommended for use on vegetable crops being grown for seed production.
- Do not make application to grass plants stressed by insufficient moisture or hot or cold temperature.
- Do not apply if rain is expected within 1 hour of application.
- Do not apply a post-emergence broadleaf herbicide within one day following application of **VAPODIM-24% EC** and do not mix with broadleaf herbicides may result in reduced grass control.
- Do not apply to grasses that have tilled, formed seed-heads or exceeded recommended growth stage.
- In arid regions **VAPODIM-24% EC** should be applied as soon as possible, after an irrigation (within 7 days).for a better result, apply a second application to actively growing grass 2 to 3 weeks after emergence of new growth.
- Annual grasses that emerge after the **VAPODIM-24% EC** application will not be controlled and a second application could be necessary.
- Do not plant any crop after application unless the crop is mentioned in the table of uses.

RE-ENTRY PERIOD:

Do not enter the field before 48 hours from the last application.

COMPATIBILITY:

Not compatible with other pesticides.

RECOMMENDATIONS FOR PERENNIAL GRASSES

GRASS SPECIES	Weed height (cm)
Bermudagrass (<i>Cynodon dactylon</i>)	7.5
Fescue, Tall (<i>Festuca arundinacea</i>)	10-20
Foxtail Barley (<i>Hordeum jubatum</i>)	5-15
Orchardgrass (<i>Dactylis glomerata</i>)	10-20
Quackgrass* (<i>Elytrigia repens</i>)	10-30.5
Rhizome Johnsongrass (<i>Sorghum halepense</i>)	31.5-61 (if regrowth occurs Repeat Application on height 45.7 cm)
Perennial Bluegrass	10-20
Bentgrass (<i>Agrostis</i> spp.)	10-20

• For more details about first aid & precautions please refer to first aid & precautions index.

RECOMMENDATIONS FOR ANNUAL GRASSES:

GRASS SPECIES	Weed height (cm)
Barnyardgrass (Echinochloa Crus-Gall)	5-20
Bromus Species	5-15
Canarygrass (Phalaris Canariensis)	2.5-10
Digitaria Species	5-15
Crowfootgrass (Dactyloctenium Aegyptium)	5-15
Fall Panicum (Panicum Dichotomiflorum)	5-20
Field Sandbur (Cenchrus Incertus)	5-15
Foxtail (Setaria Species)	5-20
Giant foxtail (Setaria Faberi)	20-30.5
Goosegrass (Eleusine Indica)	10-25
Junglerice (Echinochloa Colona)	5-15
Lovegrass (Eragrostis Cilianensis)	5-15
Rabbitsfootgrass (Polypogon Monspeliensis)	2.5-10
Red Rice (Oryza Sativa)	2.5-7.5
Ryegrass (Lolium Species)	5-15
Seedling Johnsongrass (Sorghum Halepense)	10-25
Shattercane (Sorghum Bicolor)	15-45.7
Texas Panicum (Panicum texanum)	5-15
Volunteer Cereals Barley (Hordeum Vulgare)	5-15
Volunteer Cereals Oats (Avena Sativa)	5-15
Wild Proso Millet (Panicum Miliaceum)	5-15
Volunteer Cereals Wild Oats (Triticum Aestivu)	5-15
Volunteer Grain Sorghum (Sorghum bicolor)	20-30.5
Annual Bluegrass (Poa Annua)	To 4 leaf

• For more details about first aid & precautions please refer to first aid & precautions index.