

TerraNeem[®] EC

TerraNeem[®] EC is a broad-spectrum biopesticide to prevent and control various key pests in Cannabis:

- Diseases - Powdery Mildew
- Insects - Aphids, Whiteflies, Fungus Gnats, Leafminers, Cutworms, Two Spotted Spider Mite

- EPA Registered
- For Organic Use
- 4-Hour REI



The only EPA-approved Cold Pressed Neem Oil registered in the U.S.

TREATMENT				
	Stage 1 Pre-Planting Clone	Stage 2 Vegetative	Stage 3 Vegetative	Stage 4 Pot
Target Pest	<ul style="list-style-type: none"> • Root Aphids • Fungus Gnats 	<ul style="list-style-type: none"> • Powdery Mildew • Aphids • Whiteflies • Cutworms • Spider Mites & Other Mites 	<ul style="list-style-type: none"> • Powdery Mildew • Aphids • Whiteflies • Cutworms • Spider Mites & Other Mites 	<ul style="list-style-type: none"> • Powdery Mildew • Aphids • Whiteflies • Cutworms • Spider Mites & Other Mites
Application	<ul style="list-style-type: none"> • Dip 	<ul style="list-style-type: none"> • Foliar spray to protect every 7 days • Soil drench 	<ul style="list-style-type: none"> • Foliar spray to protect every 7 days • Soil drench 	<ul style="list-style-type: none"> • Foliar spray 1 up to 2 application • Do not spray on bud/flower • Stop spraying a couple of weeks before harvest
TerraNeem[®] EC Application Rate*	0.5%	1.0%	1.0%	1.0%

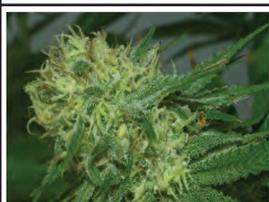
*Apply TerraNeem[®] EC in sufficient amount of water to achieve full coverage. EXAMPLE: To achieve a 0.5% solution, mix 1/2 Ga. (64 oz.) TerraNeem[®] EC in 100 Ga. of water. For a 1.0% solution, mix 1 Ga. (128 oz.) TerraNeem[®] EC in 100 Ga. water.

Always read and carefully follow label instructions. Good spray coverage is necessary to provide the most efficient level of control. TerraNeem[®] is a registered trademark of Terramera, Inc. EPA Reg. No. 88760-5. All other brands are registered trademarks of their respective owners. The information in this sheet is not binding. Changes could be made without prior notice.



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A broad-spectrum biopesticide for the control of key pests in Cannabis:

Disease		Symptoms	Cultural Control
Powdery Mildew		<ul style="list-style-type: none"> • Appears as whitish, powdery spots on either the upper or lower leaf surface. • Disease may occur at all stages of growth, affecting leaves and buds. 	<ul style="list-style-type: none"> • Removal of infected leaves early in disease development can aid in delaying epidemics. • Maintain adequate nitrogen levels but do not over-apply because more succulent tissue is more susceptible.
Pest		Damage	Cultural Control
Aphids		<ul style="list-style-type: none"> • Includes distorted plant growth, deposition of honeydew, black sooty mold, waxy deposits, yellowing, plant galls, and general plant decline. 	<ul style="list-style-type: none"> • Keep production areas free of weeds. • Hand up yellow sticky cards. • Hose off plants.
Whiteflies		<ul style="list-style-type: none"> • Feed on sap. As they feed, they excrete honeydew. • Stunting of plant growth, and leaves may senesce and die. 	<ul style="list-style-type: none"> • Keep production areas free of weeds. • Hand up yellow sticky cards. • Use reflective mulch.
Fungus Gnats		<ul style="list-style-type: none"> • Feed on roots can cause wilting. • Stunt plant growth. 	<ul style="list-style-type: none"> • Keep production areas free of weeds and algal scum. • Avoid overwatering. • Use growing medium that deters gnat development. • Hang yellow sticky cards.
Root Aphids		<ul style="list-style-type: none"> • Roots turn yellow, swell and harden, leading to secondary fungal infections and dead spots. • Plant becomes stunted and yields greatly diminished 	<ul style="list-style-type: none"> • Predatory nematodes can be effective in controlling root aphids.
Two Spotted Spider Mite		<ul style="list-style-type: none"> • Suck plant sap, stipple leaves. 	<ul style="list-style-type: none"> • Keep dust down by hosing off plants. • Release predatory mites.

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Cannabis Pest Guide

Pest	Damage	IMP Practice	Pesticide
Two Spotted Spider Mite	Suck plant sap, stipple leaves	Keep dust down by hosing off plants. Release predatory mites.	Neem Oil, Hort Oil
Russet Mites	Suck plant sap, kill leaves & flowers	Release predatory mites.	Neem Oil, Hort Oil, Silfur
Crickets (field & house)	Eat seedlings	Use floating row cover or cones.	
Termites	Eat roots	Flood nest.	
Leafhoppers	Suck plant sap; weaken plants	Encourage natural enemies by planting nectar source.	Neem Oil, Hort Oil, Insecticidal Soaps
Ants	Protect the aphids and whiteflies from predators	Get rid of the aphids & whiteflies and the ants will go away with it.	Neem Oil
Aphids	Suck plant sap; weaken plants	Hand up yellow sticky cards. Hose off plants.	Neem Oil, Hort Oil, Azadirachtin
Whiteflies	Suck plant sap; weaken plants	Hand up yellow sticky cards. Use reflective mulch.	Neem Oil, Hort Oil, Azadirachtin
Leafminers	Bore into roots & leaves	Remove older infested leaves. Use biocontrols.	Neem Oil, Azadirachtin
Mealybugs	Feed on plant's juices	Use a hard stream of water to spray the bugs right off of your plants. Use a cloth to simply crush them and then rub them off. Use biocontrols.	Neem Oil, Cinnamon Oil, Garlic Oil
Cutworms	Eat seedlings	Use pheromone traps to detect adults. Remove Weeds	Azadirachtin, Insecticidal Soaps
Budworms	Eat flowering buds	Shake plant to dislodge. Remove infested buds. Plant corn as a trap crop.	Insecticidal Soaps
Flea Beetles	Bore into stems; feed on seedlings & leaves of larger plants	Use reflective mulch. Plant trap crops such as radish or Chinese Mulstart.	Sulfur
Root Aphids	Roots turn yellow, swell & harden, leading to secondary fungal infections & dead spots Plant becomes stunted & yields greatly diminished	Predatory nematodes can be effective in controlling root aphids.	Neem Oil, Neem Powder, Azadirachtin
Thrips	Stipple leaves & vector viruses	Hang yellow or blue sticky cards.	Neem Oil, Hort Oil, Cinnamon Oil, Azadirachtin
Dark Winged Fungus Gnats	Damage roots & stunt plant growth	Avoid overwatering. Use growing medium that deters gnat development. Hang yellow sticky cards. Use biocontrol in soils.	Neem Oil drench, Azadirachtin soil drench
Scarab Grubs	Bore into stems	Use parasitic nematodes.	
Wireworms	Damage roots & stunt plant growth		
White Root Grubs	Damage roots & stunt plant growth		
Disease			
Powdery Mildew	Grows on leaves as white & gray powdery patches	Use fans to improve circulation.	Neem Oil, Hort Oil, Sodium Bicarbonate, Potassium Bicarbonate, Azadirachtin
Pythium Root Rots	Attach root tips; worse in wet soils	Avoid wet soil production or hydroponics.	Biocontrols
Bud Rot	Can rot buds from the inside out	Water your plants early enough so they can dry before darkness. Use biocontrol to prevent. A plant that is clearly diseased or dead from gray mold, remove it completely and destroy it.	Neem Oil, Sesame Oil, Bacillus Subtilis
Leaf Septoria	Harm the leaves & often the stems; affected leaves will become dry & produce a hole	Crop rotation, or after harvest, completely get rid of all leftovers from the last vegetation. Get the location ready using sterilized compost. Use biocontrol to prevent.	Neem Oil, Cinnamon Oil, Coriander Oil, Sesame Oil, Clove Oil

