

## **CIRKIL™ FACT SHEET**

- **CIRKIL™** is registered for use against cellar spiders, bed bugs and their eggs.
  - **CIRKIL™ CX1** is an emulsifiable concentrate intended for dilution in water and use in one-gallon hand pump sprayers (e.g. one gallon B&G). It carries a signal word of CAUTION. Its EPA regulatory name is TER-CX1.
  - **CIRKIL™ RTU** is a ready-to-use product, registered for commercial use for spot treatments or for consumer use. It will be available in trigger spray bottles for commercial use, and finger pump spray bottles for consumer leave-behinds. It carries a signal word of CAUTION. Its EPA regulatory name is TER-RTU1.
- Key Characteristics of **CIRKIL™** Products:
  - plant-based residual botanical insecticide and ovicide
  - very low toxicity
  - outstanding effectiveness and versatility
  - can be used on a wide variety of surfaces, including fabrics, furniture and mattresses.
  - works as a residual and knockdown treatment on a wide variety of surfaces
    - works quickly to kill bed bugs adults and nymphs
      - ⇒ can achieve total kill of adults and nymphs within 24-hours of application
      - ⇒ residual effectiveness can last for up to two weeks after treatment
  - kills bed bug eggs
    - ⇒ kills eggs whether treated directly or exposed to residual treatment on surfaces
    - ⇒ treated surfaces will continue to kill eggs—including eggs introduced or laid after treatment—for up to three weeks post-treatment
- **CIRKIL™** residues tested on various surfaces (painted and unpainted wood, paper, fabric, carpet, mattresses) have been shown to kill all adult bed bugs in less than 24 hours after treatment, and direct sprays have been shown to kill all adult bed bugs in less than 8 hours. Depending on conditions and the surfaces treated, **CIRKIL™** can continue to kill bed bug adults and nymphs for up to two weeks after treatment.
- **CIRKIL™** has been shown to kill bed bug eggs exposed to dried residues, wet residues and direct sprays. Surfaces treated with **CIRKIL™** can prevent egg hatch for up to three weeks after treatment depending on conditions and surfaces treated.
- Terramera will launch **CIRKIL™ CX1** and **CIRKIL™ RTU** for use by U.S. Pest Management Professionals (PMPs) this fall.
- Prior to launch, a limited amount of pre-release product will be available to PMPs who obtain a Terramera Partner Number (TPN) through select distributors, beginning in California.
- The active ingredient in **CIRKIL™** is pure cold-pressed neem oil extracted from seeds of the Neem tree, a tropical evergreen tree native to India.
- Neem oil occurs naturally in the environment.
- EPA has determined that cold-pressed neem oil presents no toxicological, ecological, or environmental concern.
- Humans have used neem oil in cosmetic and medicinal products for hundreds of years.
- There is a long history of human use of neem oil without any reports of adverse effects.