

InnoTech Alberta is a research and innovation organization, with a range of technologies available for licensing. Our focus is on the growth and development of technology-based sectors and the commercialization of technology in Alberta. We provide business and technical services, and initiatives that encourage a strong science, technology and entrepreneurial culture in Alberta.

LICENSING OPPORTUNITY

Thrips Non-Toxic Pesticide

LEVERAGE OUR TECHNOLOGY

InnoTech Alberta has a variety of technologies available for licensing. We will work with companies, from small to large, to set up mutually beneficial licensing deals. With more than 90 years in applied research and development, we are an experienced commercialization partner. InnoTech's licensing opportunities are the result of our world-renowned research programs. Contact us to explore these opportunities.

TECHNOLOGY OVERVIEW

InnoTech Alberta has developed a pesticide (ARCI004) for control of pest insects on ornamental and food crops. ARCI004 is a novel combination of ingredients which are generally regarded as safe (GRAS). The formulation is effective against several insect species, particularly Western Flower

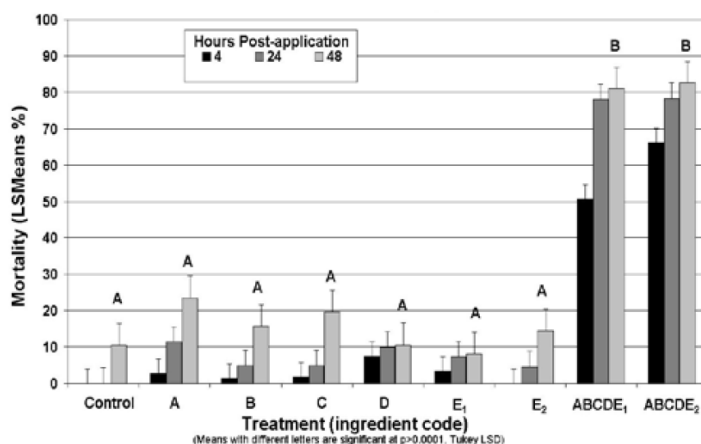


Frankliniella occidentalis (Pergande) commonly known as Western Flower Thrips

Thrips (*Frankliniella occidentalis*). The unique combination of ingredients in ARCI004 results in a five-fold increase in efficacy against larval and adult western flower thrips.

ADVANTAGES

- » Safe: Unique combination of GRAS ingredients
- » Effective: In a greenhouse trial of poinsettia plants, mean mortality of adult thrips was 89.5% following ARCI004 treatment at a 2.0X rate (as compared to Thiodan® WP treatment, which had a mean mortality of 88.8%)
- » Non-toxic to humans, pets and wildlife
- » Easy to manufacture



Efficacy of Individual Ingredients and Final Product Against Adult Western Flower Thrips

Thrips Non-Toxic Pesticide

COMMERCIAL APPLICATIONS

Control of pest insects on ornamental and food crops for:

- » Commercial greenhouses
- » Domestic homes and gardens

STATUS

Issued and pending patent applications in various jurisdictions, including including a US issued patent:

- » US Patent 7,956,092

This technology is available for licensing.

WANT TO EXPLORE THIS OPPORTUNITY?

Licensing@albertainnovates.ca

Our province is blessed with abundant natural resources, world-class infrastructure and research institutions, a highly skilled workforce, and a dynamic, entrepreneurial business community. Alberta Innovates harnesses these strengths by acting as the catalyst between government, industry and academia, to solve some of the biggest challenges facing our province.

TECHNICAL SERVICES

Helping organizations develop their technologies faster and smarter through a subsidiary, InnoTech Alberta.

- » 100,000 m2 of product/process development and scale-up facilities in the areas of petroleum, environment and carbon management, bio and industrial technologies
- » 300 hectare research farm, three greenhouses, and 36 growth chambers

FUNDING PROGRAMS

- » Fostering an entrepreneurial culture and increasing Alberta's critical mass of innovation talent
- » Post-secondary investment programs offer a broad range of support to researchers at all stages of their careers, from graduate students to the world's top researchers

- » Industry investment programs offer support to Alberta-based SMEs in a variety of ways to help accelerate their growth and success

REGIONALLY ACCESSIBLE COMMERCIALIZATION SUPPORT

- » Making connections and pointing businesses and entrepreneurs in the right direction
- » Alberta Regional Innovation Network System - an integrated province-wide system ensuring SMEs and innovators have access to vital services and resources to help them succeed

LICENSING SERVICES

- » Managing the translation of Alberta Innovates intellectual property into business solutions
- » Facilitating licensing deals with industry anywhere in the world