



Canadian Food
Inspection Agency

Agence canadienne
d'inspection des aliments

E-Commerce: Plant Health Risks and Reality

North American Plant Protection Organization Annual Meeting

Tucson, Arizona

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Plant Health and Biosecurity Directorate

Canada 

What is e-commerce?

- The process of buying and selling items over the internet
- The World Customs Organization's *Cross-Border E-Commerce Framework of Standards* (June 2018) characterizes e-commerce as follows :
 - Online ordering, sale, communication and, if applicable, payment
 - Cross-border transactions/shipments
 - Physical (tangible) goods
 - Destined to consumer/buyer (commercial and non-commercial)

Why e-commerce?



- Convenient
- Removes geographical boundaries
- Facilitates access to more products by wider consumer bases
- Rapid adoption and subsequent economic impact
- High value to national economies

Risks of e-commerce

- Facilitates the trade of invasive species: significant risk to North America that is increasing rapidly
- Globally, e-commerce volume and value is expected to increase annually
- Principal shared concern is the ever-increasing trade of small, low-value shipments that may be sent directly to consumers by post or courier
 - Facilitates the undetected entry of high-risk regulated articles (e.g., seeds, insects, snails, plant-based products).

Risks of e-commerce

- Lack of public and trader knowledge of plant health regulations
- Mis-identification of traded species
- Inaccurate customs declarations
- Free trading and sharing sites
- Volume of e-commerce
- Jurisdictional limitations



Challenges related to monitoring, tracking, inspecting imported e-commerce shipments and taking action on non-compliances

Matter of global significance

IMPLEMENTATION REVIEW AND SUPPORT SYSTEM

The Internet trade (e-Commerce) in Plants

Potential Phytosanitary Risks



International Plant Protection Convention (IPPC)
Food and Agricultural Organization of the United Nations
Via delle Terme di Caracalla 00153
Rome, Italy

April 2012



Food and Agriculture
Organization of the
United Nations



International
Plant Protection
Convention

R-05
2017

ENG

Recommendation on: Internet trade (e-commerce) in plants and other regulated articles

ADOPTED 2014 | PUBLISHED 2017



WCO CROSS-BORDER E-COMMERCE FRAMEWORK OF STANDARDS



World Customs Organization
(June 2018)

Challenges in Canada

- Compliance verification challenges on imported shipments:
 - High volumes of small low-value shipments
 - Expedited clearance process for shipments valued at \$2,500 or less
 - Limitations in data availability/accuracy
 - Low targeting and inspection capacity
- Challenges are compounded by:
 - Anonymous nature of the on-line environment
 - Reliance on exporters/sellers to declare contents of imported goods
 - Inability to regulate entities/persons outside of Canada
 - Success of e-commerce



Sponsored by sachu99



Sponsored by sachu99



Simply Seed - 5 LB - Red Pontiac Potato Seed - Non G1 by Simply Seed \$13.99 (1 new offer)



Composting Worms, 2 LB Live Mix by wormedirect

Available from these sellers.

- Approx. 1900 - 2,200 worms
- Use to compost your kitchen scraps
- Feed to your chickens or reptiles
- A mix of different composting species
- Guaranteed Live

New (1) from \$53.95 + \$4.49 shipping

Report incorrect product information.

DIATONACEOUSEARTH

The Purest Name in Diatomaceous Earth

Shop now

Get feedback

100 Viper's Bugloss 2 LB Live Mix by wbut2023

\$14.20 (1 new offer)



Fresh Viper's Bugloss 10 Seeds (Echium Plantagine) by MJDw2023

\$5.48 (3 new offers)



LAND SNAILS ALIVE Helix Aspersa Muller Little Cute Pets *
 C \$10.30 to C \$12.88
 Buy It Now
 Free Shipping
 6+ Watching
 From Greece



Cute Pet Snails Sale Small Land Snails Cepaea Vindobonensis
 C \$6.37
 Buy It Now
 +C \$11.59 shipping
 From Ukraine

nd. May contain three worm species Eisenia fetida, Eisenia hortensis, and Perionyx excavatus. Each



Dynastes hercules lichyi L1-L2 larvae for sale

5 viewed per hour

Condition: **New**

Time left: 29d 00h 11/3, 11:22

Quantity:

Price: **GBP 9.50**
 Approximately US \$

Best Offer:



Fresh Viper's Bugloss 10 Seeds (Echium Plantagine) by MJDw2023

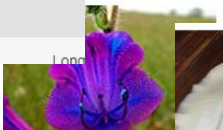
\$5.48 (3 new offers)



Two Pet Snails for Sale - Large Land Snails Helix Pomatia or E
 C \$19.25
 Buy It Now
 +C \$11.59 shipping
 72 Sold
 From Ukraine



(Vegetable *Ambizu*) 5+5 Seeds Dioscorea Polystachya by Wild yam seeds \$5.00 (4 new offers)



Blueweed Flower Mix - 220 Seeds - Echium Plantagine by Sunshine shop



2 GIANT SNAILS, ACHATINA RETICULATA ALBINO BODY, ALLY Brand New
 C \$41.94
 Buy It Now
 Free Shipping
 From Greece



10 pcs Pet Snails Sale Large Land Snails Helix Pomatia or E
 C \$102.95
 Buy It Now
 +C \$15.45 shipping
 From Ukraine



(Medicinal Korean Herbal Powder) by Prince Herb \$38.00 + \$13.51 shipping



Chinese Traditional Medicine Semen Cuscuta Chinesis Seed by SV1 \$18.55 (1 new offer)



2 GIANT SNAILS, ACHATINA IMMACULATA Brand New
 C \$41.94
 Buy It Now
 Free Shipping
 From Greece



10 x Sungaya Inexpectata Sunny stick insect eggs / PHASMI green type

Condition: **New**

Time left: 2d 14h Monday, 4:01AM

Quantity: 3 available / 1 sold

Price: **US \$10.00**

Buy It Now

Add to cart

Add to watch list

100% positive feedback

Shipping: \$6.00 Standard International Shipping | See details
 See details about international shipping here. See details
 New location: Sagalida, Greece
 Ships to: Worldwide. See restrictions



Dioscorea Polystachya Chinese by SV1 \$8.99 (1 new offer)



Aseus Chinese herbal medicine natural wild Cuscuta chinensis by Aseus Ltd \$31.13



2 GIANT SNAILS, ACHATINA FULICA RODATA Brand New
 C \$41.94
 Buy It Now
 Free Shipping
 3 Watching
 From Greece



ADB Inc 2 Pack Dioscorea Polystachya by ADBINC
 More options available: \$2.20 Other Sellers



XYP Tusizi Tu Si Zi Semen Cuscutae South Dodder Seed 菟丝子 by Xiyaoqiang \$13.99 (10.14/Gram)
 Only 20 left in stock - order soon.



2 GIANT SNAILS, ACHATINA FULICA JADATZI ALBINO BODY, 2cm Brand New
 C \$41.94
 Buy It Now
 Free Shipping
 From Greece



Giant african snails baby x10 Brand New
 C \$38.63
 or Best Offer
 +C \$19.31 shipping



Live (100 SMALL) Dubia Roaches Blaptica
Free Shipping

C \$19.45
+C \$33.66 shipping

[Make Offer](#)



Live (75 SMALL) Dubia Roaches Blaptica
Free Shipping

C \$18.15
+C \$33.66 shipping

[Make Offer](#)



Live (75 SMALL) Dubia Roaches Blaptica
Free Shipping


C \$18.15
+C \$33.66 shipping


[Make Offer](#)


Advertisement


[Live insect suppliers recommended by Insectnet click here](#)


Sort by: Date ▾


- 


FOR SALE, Saturniidae cocoons (overwintering)
Livestock
- 

WANT TO BUY, Zebra swallowtail
Livestock
- 

FOR EXCHANGE, Utah Hemileuca nuttalli pupa PA
Livestock
- 


FOR SALE, Swallowtails
Livestock
- 

FOR SALE, Argema Mittrei Cocoon
Livestock
- 

FOR SALE, Deilephila rivularis pupae from Pakistan
Livestock
- 

FOR SALE, HEMARIS RADIANS Fo PUPAE (EXTRA R

3 ORDER OVERVIEW



Madagascar Hissing Cockroaches (1)
Quantity: 1 roach
Hold at Post Office or Hub: No

\$3.00

[Edit cart](#)

Subtotal: \$3.00

Shipping (FedEx (International Economy)): \$34.78

Grand Total: \$37.78

Have a coupon or reward?

COMPLETE ORDER

* Yes I agree to the terms and conditions

Dubia roaches for sale. \$1.00

Markham / York Region | 03/10/2018

Dubia roaches for sale. Great for lizard, bearded dragon, crested gecko, tarantula, scorpion, leopard gecko, skink, chameleon, turtle, frog, python, snake, cricket, phoenix worm, reptiworm, black soldier, silkworm, hornworm, mealworm, hornworm, superworm.

Dubia Roaches starter Colony \$50.00


City of Toronto | 30/09/2018

Looking to sell my starter kit colony of Dubia Roaches ASAP. Got them about a month ago, i no longer have my bearded dragons so im selling them. If interested please let me know. They are \$50.

Wanted:ISO Dubia Roaches Please Contact

London | 15/09/2018

ISO Live Dubia roaches for my lizards, I'm getting tired of crickets and super worms, I know they aren't legal in Canada but someone out there must have them or knows of someone who does! Please text me and let me know



Classifieds

Home / Sellers/Agents

Insect Details

Insect since Aug 24, 2018
5 Listings


Country: **Italy**


Email: [REDACTED]


Seller Location

Country: **Italy**

Sort by: Date ▾ ☰ ☱

- 

FOR SALE, Oxythyrea pantherina live adults
Livestock ♥ Sep 09, 2018
- 

FOR SALE, Protaetia (Cetonischema) hybrid
Livestock ♥ Sep 09, 2018
- 

FOR SALE, Propomacrus bimucronatus L3
Livestock ♥ Sep 09, 2018

Type/Item/Price

(Vegetable *Ambuz*) 5+5 Seeds Dioscorea Polystachya Chinese Yam Seeds, Original Pack \$3.00 - In Stock
 Condition: New
 Sold by: Natural music

Qty. Send to:

[Delete](#)

Sorry, this item can't be shipped to your selected address. [Learn more.](#) You may either change the shipping address or delete the item from your order. You can also see if this item is available from another seller.

5 lb. SEED POTATOES - Yukon Gold - Organic - ORDER NOW FOR FALL PLANTING \$5.89 - In Stock
 Condition: New
 Sold by: CaribbeanGarden

Qty. Send to:

[Delete](#)

Composting Worms, 2 LB Live Mix \$3.95 - In stock. Usually ships within 4 to 5 days.
 Condition: New
 Sold by: Worms4Earth

Qty. Send to:

[Delete](#)

Sorry, this item can't be shipped to your selected address. [Learn more.](#) You may either change the shipping address or delete the item from your order. You can also see if this item is available to ship to your address from another seller.

Northshire Farms 5 lbs. Certified Seed Non GMO Red Pontiacs and German Butterballs \$2.49 - In Stock
 Condition: New
 Sold by: CaribbeanGarden

Qty. Send to:

[Delete](#)

Viper's Bugloss- (Echium Plantagineum) Blue - 50 seeds \$1.99 - In Stock
 Condition: New
 Sold by: Seeds and Scents

Qty. Send to:

[Delete](#)

Compost Worm Mix 500 Count \$35.00 - In Stock
 Condition: New
 Sold by: The Critter Shed

Qty. Send to:

[Delete](#)

Sorry, this item can't be shipped to your selected address. [Learn more.](#) You may either change the shipping address or delete the item from your order. You can also see if this item is available to ship to your address from another seller.

*We cannot ship blaptica dubia roaches to the state of Florida or Hawaii.
 *We cannot ship blaptica dubia roaches or other feeder roaches to Canada.
 *We cannot ship blaptica dubia roaches or other feeder roaches internationally.

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Dioscorea Polystachya Chinese Yam Seeds, Original Pack, 5 Seeds / Pack, Organic Tasty Vegetable Herbal Seeds #B029
 SVI

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Shipping
 Free shipping

Currently, there are no sellers that can deliver this item to your location.

- ♥ This item contains living or perishable material and ships via 2nd Day or Overnight delivery to arrive on a date you specify during Checkout. To ensure freshness during shipping, a Living Materials Fee may apply to orders containing these items.
- ⚠️ FL orders require a USDA permit, which is available from our Customer Service Department (800.334.5551). Canadian customers must apply for a Canadian Dept. of Agriculture permit to receive this material.
- 🚫 Due to USDA or USDOT regulations this item may not be shipped to the following locations:
 Arizona | Tennessee

Product Families Featuring This Item:

[Madagascar Hissing Cockroach](#)



Black Tailed Bull Ant / Myrmecia forficata Queen + 1 - 2 Workers

Availability: **Sold Out**

☞ Slightly smaller than the largest bull ants, Myrmecia forficata features a striking shiny black gaster that can shimmer green in direct light.

Like all bull ants care must be taken when handling this species as their sting can be painful.

☞ Gestation can be very long, sometimes as much as 6 month from egg to worker. The founding stage is also known to be difficult as queens lay on a cycle that can be up to a year apart.

Ant keepers tend to have more success when keeping this species in a natural sand/dirt nest, allowing the queen to dig her own founding chamber.

NO SALES TO THE USA

Unavailable for Western Australia or Tasmania.

Amazon.com Help - Google Chrome

https://www.amazon.com/gp/help/customer/display.html/ref=topnav_help?...

Help [Close window](#)

Can't Ship to this Address

This may be because:

- Dimensional shipping limits - standard shipping to these regions are limited by the overall shipping size which include a maximum length or girth of 108 inches and maximum weight of 70 lbs.
- Large and/or oddly shaped items may not be eligible for shipping.
- Hazmat - certain hazmat items (including but not limited to lithium batteries) are restricted from shipping to these areas.
- Restricted Product - Products offered for sale on Amazon.com must comply with all laws and regulations and with Amazon's policies. For more information see [Restricted Products](#).
- Address type - certain address types preclude shipping speeds, due to carrier capabilities.
- Amazon may be restricted from shipping to your country due to government import/export requirements.
- You are shipping to a U.S. freight forwarder but your order contains items that are restricted from exportation.
- Amazon may be restricted from shipping to your country or location due to manufacturer restrictions or warranty issues.

Our Current Available Ant Species Listing by GAN Farmer Location

All ant species listed here were locally caught and captive raised, and each colony contains a queen and at least 1 worker ant (unless indicated). Prices are determined by the GAN Farmer. Some ant colonies come with complete setups. Look below to see if we have a GAN Farmer in your area.

*NOTE: We do not ship ants in the mail. You cannot buy ants from another country or region. You also cannot buy of ants from a different State/Province if you live in US, Canada, or Australia. We may possibly ask you for proof of residence before purchase or during pickup.

flukerfarms.com says

Unfortunately one or more items in your cart can't be shipped to your location. Please choose a different delivery address.

[OK](#)

You may have chosen an offer from a seller who doesn't offer international shipping. Try looking for another seller.

You may have chosen an offer from a seller who doesn't offer shipping to your address due to the nature of the product (Perishable, Heavy/Bulky, Hazmat). Try looking for another seller or a similar product.

For more information see [Shipping Restrictions](#).

CFIA Initiatives

Communication

- Promote compliance with plant protection import, export and domestic trade-related requirements by:
 - Raising awareness of plant protection requirements that applies to traded commodities.
 - Promote the adoption of best practices in trade (e.g. by verifying whether requirements apply before importing, exporting, purchasing or selling goods)

Key Messages

- Canada develops and implements regulations and requirements to protect plant health in Canada
- Plant protection requirements apply to goods traded on-line
- Be cautious in trading habits. Do not assume legality of goods when importing, exporting or trading goods within Canada
- There are consequences to not complying with plant protection requirements



Canadian Food Inspection Agency


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- Plant Pests / Invasive Species
- Biocontainment
- Biological Control Agents
- Biosecurity
- Directives
- Diseases
- Domestic measures
- Imports
- Insects
- Interim phytosanitary requirements
- Invasive Plants
- Nematodes / Other

Online buying, selling and trading of plants and other organisms

E-commerce has opened up beneficial opportunities for both buyers and sellers. However, it has also increased risks to Canada's agriculture, forests and the environment. Potentially harmful organisms such as [invasive plants](#), seeds and insects, as well as commodities or articles capable of carrying or spreading these pests, can easily be offered for sale and purchased from anywhere in the world.

E-commerce Requirements

The same requirements that apply to traditional types of commerce apply to online buying and trading of plants and other organisms. Through the [Plant Protection Act](#), the Canadian Food Inspection Agency (CFIA) has [Plant Protection Regulations](#) to prevent the import, export and spread of pests in Canada. Before your next purchase, sale or trade, ensure that you are following these requirements.

Import

Import requirements apply to all regulated goods entering Canada, no matter why or how they enter (for example, by mail, courier, boat or vehicle). For more information, please see [Importing plants and plant products: what you need to know](#). Requirements for importing specific items can be found in the [CFIA's Automated Import Reference System \(AIRS\)](#) and from cfia.airs-sari.acia@canada.ca.



Canadian Food Inspection Agency

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Plant Pests / Invasive Species

Biocontainment

Biological Control Agents

Biosecurity

Directives

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Nematodes / Other

Importing and handling invertebrates and micro-organisms

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Under the authority of the [Plant Protection Act](#), the Canadian Food Inspection Agency (CFIA) establishes [import](#) and [domestic requirements](#) to prevent the import or spread of pests ¹ in Canada.

Some of these requirements concern the intentional import and handling of invertebrates and micro-organisms that have the potential to cause harm to plant health in Canada, including:

- Insects

CFIA Initiatives

Cooperation/Coordination

- Fully addressing the challenges requires holistic approaches that span borders and the relevant sectors and authorities
- Within the CFIA, plans are underway to consider possible collaborative approaches to addressing risks, including:
 - Working with Canada Border Services Agency
 - Communication / advertisement campaign
 - Mechanism to identify e-commerce traders and products of concern
 - Overarching policy to provide guidance / best-practices to e-traders



Thank you.