

Japanese Beetle and Community Gardens

Japanese Beetle and Community Gardens: How Can You Help?

Background

Japanese beetle, *Popillia japonica*, is a serious invasive insect which damages ornamental, horticulture and agricultural plants. The larvae feed on the roots of turf, ornamental grasses and other plants, while adults feed on the flowers, fruits and leaves of over 250 host plant species.

To reduce the risk of the beetle spreading, regulated areas (RA) and associated movement restrictions for soil and plant material have been established in Vancouver and Burnaby. **New for 2022: a revised regulated area came into effect on March 19, 2022, and includes areas within the Cities of Burnaby and Vancouver.**

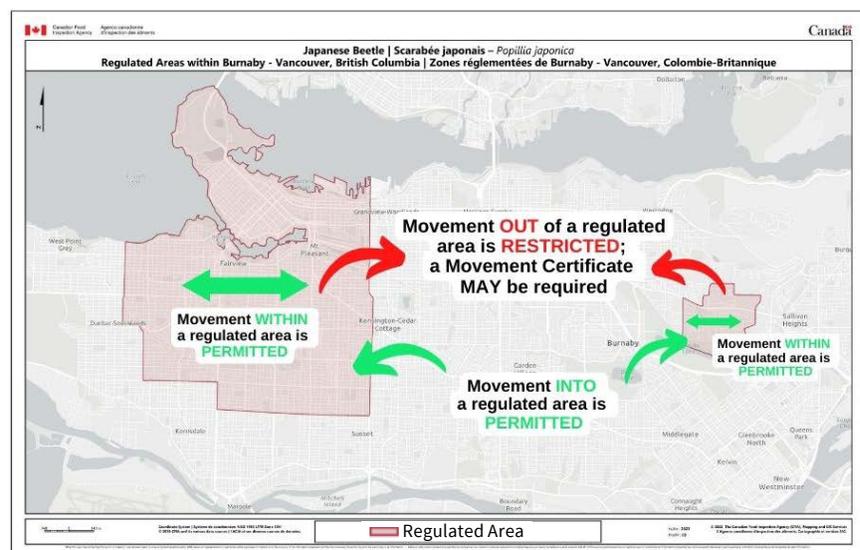
Purpose

Movement restrictions are in effect for soil and plant material from the RA to help prevent the accidental spread of Japanese beetles by people. Although there are no movement restrictions within the RA for fresh fruits and vegetables grown for consumption, there are some best practices gardeners can follow to avoid accidentally spreading this invasive pest.

Movement Restrictions for Soil and Plant Material

To reduce the chance of spreading adult Japanese beetles or larvae, soil and plant material is restricted from being moved out of the RA. Transport may be permitted once a movement certificate is obtained from the Canadian Food Inspection Agency (CFIA). The following movement requirements are in place until further notice:

- » The movement of plant debris with soil, rooted plants and soil out of the RA is restricted year-round due to presence of eggs, larvae and pupae.
- » The movement of above-ground plant material out of the RA is restricted between June 15th and October 15th, which is the flight period of the adult beetles. This includes grass clippings, outdoor potted plants, and cut flowers grown in the regulated area.



Japanese Beetle Regulated Areas of Vancouver and Burnaby (CFIA)

*Movement of material within the individual regulated areas is unrestricted year-round

Community Garden Best Practices

Though fruits and vegetables are deemed to be “above-ground plant” material, those grown for consumption can be moved out of the regulated area freely without restrictions. But beware—adult beetles are excellent hitchhikers and may become hidden amongst the crevices of leafy vegetation or tuck themselves into an ear of corn.

From June 15th to October 15th each year, give harvested produce a good shake to dislodge any hidden beetles, thoroughly wash them free of soil, and complete a good visual inspection of the fruits or vegetables prior to moving them off-site.

Common Host Plants

Japanese beetles are known to feed on over 250 species of host plant. This list includes only the most commonly attacked groups.

- » Birch (*Betula* spp.)
- » Hibiscus (*Hibiscus* spp.)
- » Crape myrtle (*Lagerstroemia* spp.)
- » Apple/Crab-apple (*Malus* spp.)
- » Bean (*Phaseolus* spp.)
- » Plum, Peach, Apricot, Cherry (*Prunus* spp.)
- » Oak (*Quercus* spp.)
- » Rose (*Rosa* spp.)
- » Raspberry, Blackberry, Salmonberry (*Rubus* spp.)
- » Linden tree (*Tilia* spp.)
- » Elm (*Ulmus* spp.)
- » Blueberry, Cranberry, etc. (*Vaccinium* spp.)
- » Grapevine (*Vitis* spp.)
- » Corn (*Zea mays*)



Disposal Options

- » Where available, use the City of Vancouver and City of Burnaby municipal green bins to dispose of community garden plant waste.
- » Keep green waste on-site for composting or store on-site until the beetle flight period window has passed, between October 16th to June 14th every year, when green waste can then be moved freely.
- » If the options above are not possible, you must apply for a movement certificate from the CFIA before disposing of the green waste responsibly at the two approved transfer stations below based on your location.
- » **New for 2022:** The Vancouver South Transfer Station (377 W Kent Ave N, Vancouver) and the Burnaby Eco-Centre (4855 Still Creek Dr, Burnaby) will be the only transfer stations accepting regulated articles.
- » Do your best to remove as much of the soil as possible from root balls and other plant waste prior to disposal.* Shake it before you take it!
- » Year-round, keep soil on-site and reuse it if possible. To move larger quantities of soil from the RA it must be taken to the Vancouver Landfill for deep burial. Contact the CFIA to obtain a movement certificate and contact the Vancouver Landfill for burial approval at least two days before your requested disposal date.

* The Vancouver South Transfer Station will accept a small amount of soil only from the RA (max. half a wheelbarrow full). The Burnaby Eco-Centre DOES NOT accept soil.

Find Out More

For regulatory movement requirements and movement certificate information please visit inspection.canada.ca/JB.

Report all Suspects!

If you see the lace-like feeding damage or suspect adult Japanese beetles, capture them and take high-resolution photographs and send to CFIA and/or attempt to collect as many beetles as possible in a sealed hard-sided container, place in the freezer then contact CFIA at cfia.wstjb-sj.acia@canada.ca or call **604-292-5742**.

For general Japanese beetle information or to be added to our Japanese beetle monthly e-News updates, please visit bcinvasives.ca/JB.