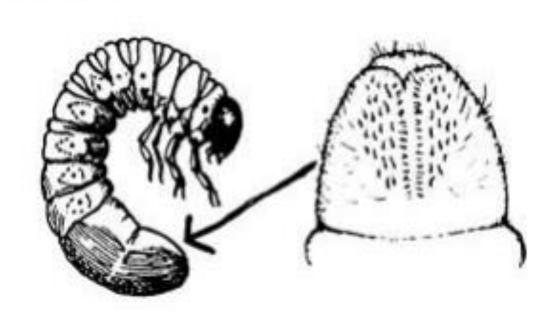
Japanese Beetle Larvae & Winter ID

Tracy Hueppelsheuser, B.C. Ministry of Agriculture, Abbotsford

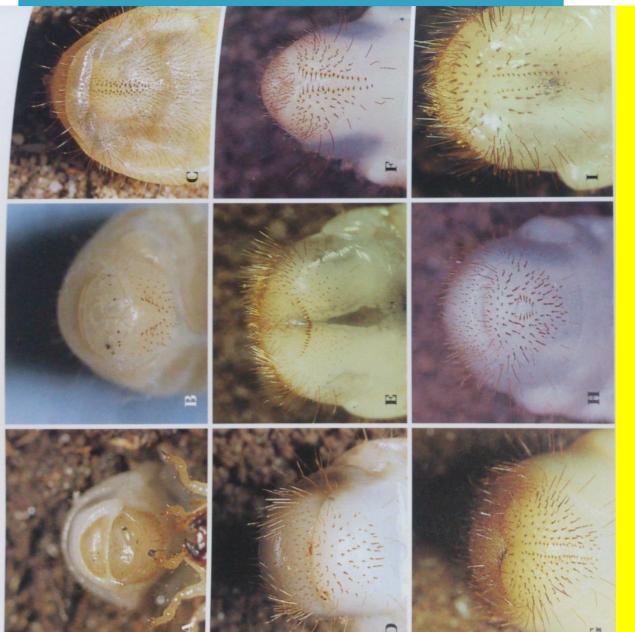
Tracy.Hueppelsheuser@gov.bc.ca 604-556-3031

How to tell the Scarab grubs apart?

Look at larvae butts!!



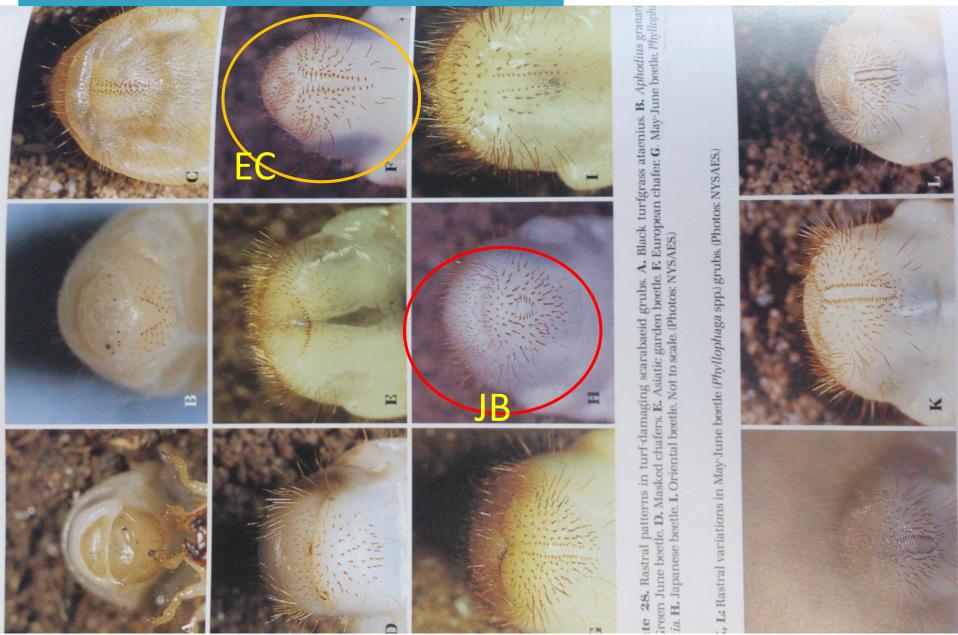
http://idl.entomology.cornell.edu/files/2013/11/European-Chafer-sz87sw.pdf



Can you find the Japanese Beetle?







Larval Hosts

- Wide variety of plant roots
 - ornamental, shrubs, garden crops
- Preferred turf grasses
 - Perennial Ryegrass Favorite!
 - Kentucky Bluegrass
 - Tall Fescues
 - Bentgrass

(David Cappaert, Michigan State University, Bugwood.org)



Larval Damage

- Feed on roots reducing the plants intake of water and nutrients
- Patches of brown dead grass, may feel spongy and be easily pulled away





Slide from CFIA Plant Health Survey Unit

Eggs Hatch and larvae feed in upper 5 cm until too cool, then go down

BC estimated timeline:

Go below frost line in winter and don't feed at cool temps (what if it doesn't freeze?— just feeds slower)

Larvae Feed in April-May, upper 5 cm

Pupate

in May-

June

Eggs laid mid July onwards

Adults emerge late June and July (live 4-6 weeks). Worst larval damage: fall and spring

