Expansion in France and damages

- *Lixus Junci* is known on beet for seed production, but the first important damages on beet for sugar were noted South of Clermont-Ferrand in 2014. Since then, due to favourable climate conditions *Lixus Junci* has been expanded North of the Loire (400km up over 4 years).

- After a winter spent underground and as soon as temperature increases *Lixus Junci* colonises the sugar beet fields.

- Females can lay during 2 months in the petioles and the larvae progress in the roots, digging galleries from the top to the core of the plant. A large infestation can lead to a 10 tonnes/h loss, and in the case of an additional *Rhizopus* development, losses can be doubled, up to 20 tonnes/ha.

Life cycle

- Appearance of adults from May
- Mating within 15 days
- Laying on the stem, in a hole, 3 to 5 days later
- Egg incubation: 3 to 15 days
- Larval stage: 30 to 40 days in the stem
- Pupation: about 15 days
- Emergence: 3 days later
- Wintering as an adult

Source: BETAGIA (ITB)

Centre Technique Betteravier de Limagnes (CTBL) works

Weevils trapping using « Malaise » tents

Weekly trapping report

Temperature sums influence

The temperature sums is not an enough reliable index for the Weevils appearance date.

Sugar beet variety trials

Despite comparable bite densities, 3 varieties hosts significantly less larvae in their roots.