

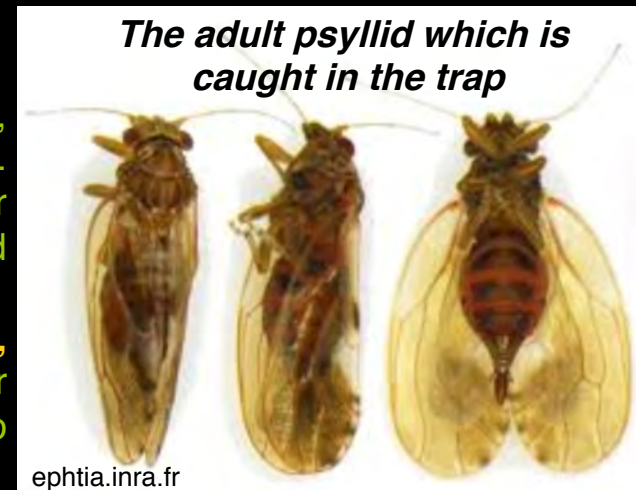
Plum psyllid - *Cacopsylla pruni* Scop

The small adult insects (body length 2.2 - 3.0 mm) are at first light yellow, then they turn to orange and at the end of winter they are brownish black. Their wings are with brownish shady colouring starting from the apex. For reliably identifying the species identity high-level taxonomic experience and a microscope is inevitable.

Host plants: *C. pruni* is strictly oligophagous on stone-fruits, i.e. **apricots, plums**. It likes *Prunus spinosa* best.[1] It develops a single generation per year, and at the end of summer specimens of this generation move over to conifers for overwintering. At the end of winter they move from conifers to

orchard trees, where eggs are laid. The new generation feeds here from May to beginning of June. As soon as the insect reaches the adult stage it leaves the orchards. [2]

Damage: the insect does not cause significant damage by its feeding, rather it is a vector of the phytoplasma of the disease European Stone Fruit Yellows (ESFY). All over Europe the importance of ESFY is growing, especially in apricots. On trees attacked by ESFY the quality of fruits deteriorates, there is less quantity of fruits at harvest and



The damage which should be averted



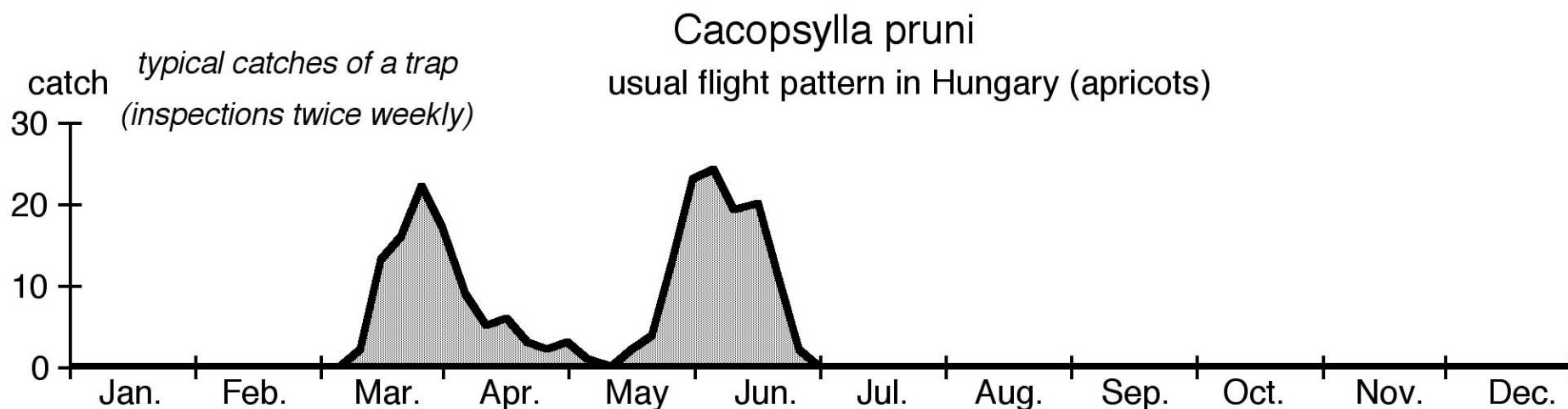
the lifespan of the trees gets shorter. Most typical symptoms of ESFY in the summer the yellowing of leaves and twisting, in the winter out-of-season growth, which increases damage by freezing, because developing buds cannot stand the winter cold temperatures. Healing of diseased trees is not successful, and 60% to 80% of them dies off.[3] A single opportunity for control is prevention, for which the sources of infection should be known. In Hungary 14% to 35% of *C. pruni* was contaminated by the phytoplasma.[4,5]

It can be important from the viewpoint of infection of orchard trees which phytoplasm-tolerant plant species (i.e. *P. spinosa*, *P. cerasifera* or feral plums *P. domestica*) are abundant in the vicinity of the orchard.

The trap should be placed in apricot orchards in the spring at branches at a height of **1.5 - 2.0 m**.

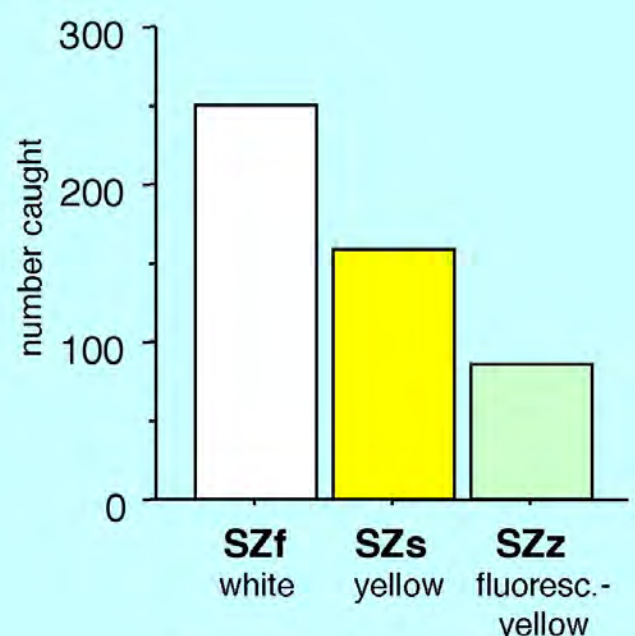
Usual **beginning of trapping** in Hungary is: **beginning of March**

Selectivity of the CSALOMON® SZf/10 trap: **white** colored sticky sheets (SZf/10) proved to be more efficient for catching *C. pruni* than the usual yellow sticky sheets conventionally used for catching aphids, cicads etc. Several other insects can also be caught on the sticky side of the trap. White sticky sheets are successfully used also for trapping *Hoplocampa* fruit wasps (However, the trap type PALf has been specifically optimized for *Hoplocampa* spp. and is also available in CSALOMON®). White colour is also attractive to some extent to several dipterans also.



Longevity of the CSALOMON® SZf/10 trap: it attracts the insects due to its bright white colour (no chemical lure added). It starts to lose from its efficacy after **6-8 weeks** of field exposure (depending on stickyness of the surface). This usually is enough to monitor the overwintering generation. Later in the season it is recommended to replace the trap at **some weeks intervals** for reliable monitoring. According to our studies the **white SZf/10** traps caught much more *C. pruni* specimens than the yellow ones.[6]

[1] Fialova R. et al, Act. Hor. 658:483, 2004; [2] Carraro, L. Eur. J. Plant Pathol. 107:695, 2001; [3] Marcone, C. et al, J. Plant Path. 92:19, 2010; [4] Mergenthaler et al, Bull. Insect. 70:171, 2017; [5] Lepres, L.A. et al, Növényvédelem, 79:197, 2018; [6] Bodnár D., Tholt G., Koczor S., Tóth M., Colour preference of *Cacopsylla pruni* (Hemiptera: Psyllidae) (in preparation).



Greatest number of *C. pruni* was caught on white sticky traps! (data from [6])



foto: Bodnár D.



foto: Bodnár D.

So it looks when caught in the CSALOMON® SZf trap



SZf white trap



is a registered trademark of the Plant Protection Institute, CAR.

To order / to inquire: ATK Növényvédelmi Intézet (Plant Prot. Inst. CAR) Budapest, Pf 102, H-1525, Hungary; phone. +(36-1)-391-8637, +(36)-30-9824999; fax +(36-1)-3918655;

e-mail: <csalomon.orders@atk.hu>; internet: <www.csalomontraps.com