

In 2024, we fogged approximately 45,000 tonnes of apples and pears.

LIMITING LOSSES DURING FRUIT STORAGE: POST-HARVEST TREATMENT



Hypochlorous acid fogging is one of the most effective methods of controlling fungi and bacteria in the air and on the surfaces of walls, coolers, pallet boxes and fruit in cold stores.

Hypochlorous acid fogging effectively reduces pathogens:

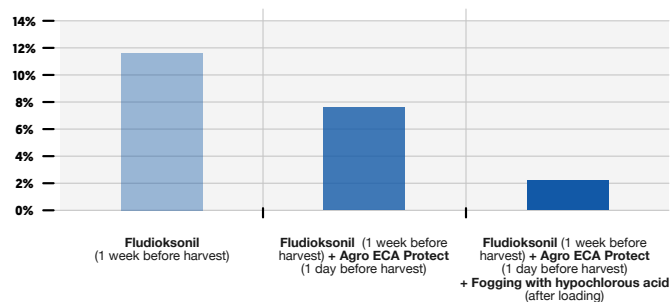
- *Penicillium expansum* – causes wet rot in apples and pears,
- *Botrytis cinerea* – causes grey mould,
- *Colletotrichum acutatum* – causing anthracnose of fruit,
- *Neofabraea* spp. – causing bitter rot of fruit,
- *Monilinia* spp. – causing brown rot of fruit,
- *Venturia inaequalis/pirina* – causing storage scab.

The effectiveness of hypochlorous acid disinfection by fogging has been confirmed by tests:

- in an accredited laboratory in accordance with EN 17272 – disinfection by fogging (Bio ActiW Protect Fogg/ Agro ECA product),
- at the Institute of Horticulture in Skierniewice – results below.

Percentage of Ligol apples with disease symptoms: 3 months after storage in a standard cold store.

Research conducted at the Institute of Horticulture in Skierniewice (Poland)



Order a disinfection service using hypochlorous acid fogging:

The service includes the cost of fogging and the preparation.
Telefoane:
Mob. RO: +40 726 981 631 / Mob. MD: +373 794 301 32.

Fogging with hypochlorous acid effectively reduces residues of plant protection products on fruit:

Table: Average percentage of pesticide reduction resulting from fogging four batches of apples with hypochlorous acid. Research conducted by the University of Agriculture in Krakow.

Active substance	Averag percentage of pesticide reduction resulting from fogging apples with hypochlorous acid
Acetamiprid	32%
Captan	58%
THPI	23%
Cyprodinil	55%
Difeconazole	29%
Flonikamid	33%
TFNA	24%
TFNG	49%
Fluopyram	89%
Fluxapyroxad	73%
Methoxyfenozide	38%
Pirimicarb	47%
Pyraclostrobin	15%
Tertraconazole	100%

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