



ELECTIS 76 WG - nov fungicid, na osnovi nove učinkovine zoksamid in mankozeba, za učinkovito zatiranje krompirjeve plesni in peronospore vinske trte

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Zatiranje krompirjeve plesni na krompirju in peronospore na vinski trti sta pomembna agrotehnična ukrepa pri pridelavi krompirja in grozdja. Zaradi pojava odpornosti teh dveh gliv na nekatere sistemične pripravke, je vsak nov fungicid za pridelovalce zelo dobrodošel.

Novost na fungicidnem trgu je učinkovina zoksamid, ki spada v kemično skupino metil benzamidov. Že to, da je učinkovina zoksamid iz skupine, v kateri do sedaj poznamo samo herbicide, kaže na zelo specifično delovanje tega fungicida na glive plesnivke.

Zoksamid ima specifično delovanje na glive iz razreda Oomycetes, posebej na krompirjevo plesen (*Phytophthora infestans*) in peronosporo na vinske trte (*Plasmopara viticola*). Odlikuje ga izredno močno preventivno delovanje, povezano z odlično odpornostjo na spiranje in rezidualno delovanje. Ta odlična učinkovitost se pripisuje predvsem močni vezavi učinkovine zoksamid v voščeno prevleko na površini rastlin.

Zoksamid deluje na glivo tako, da preprečuje delitev celičnih jeder, ter se razlikuje od delovanja starejših in novejših fungicidov za zatiranje teh glivičnih bolezní, zato bo nedvomno zanimiv tudi za programe antirezistenčne strategije zatiranja krompirjeve plesni in peronospore vinske trte.

Pri nas v Sloveniji smo v uradnih biotičnih preiskusih testirali kombinacijo zoksamida in mankozeba. Pripravek se imenuje ELECTIS[®] 76 WG.

V delu so prikazane značilnost, način delovanja ter rezultati poskusov v Sloveniji ter tujini.

ABSTRACT

ELECTIS[®] 76 WG - new fungicide on the basis of novel compound zoxamide and mancozeb provides efficient control of potato late blight and downy mildew of grape

The controls of potato late blight (*Phytophthora infestans*) and downy mildew of grape (*Plasmopara viticola*) are the important agricultural measures at the production of potato and grapes. Because of appearance of resistance to these fungi on some systemic products, each new fungicide is very welcome to the producers.

Active ingredient zoxamide belongs to chemical group methyl benzamides and is a novelty on fungicide market. The fact that active ingredient belongs to the chemical group from which we know only herbicides indicates to the very specific action of this fungicide to the mildew. Zoxamide has a specific action to fungi from the class Oomycetes especially to potato blight (*Phytophthora infestans*) and downy mildew on grapes (*Plasmopara viticola*). It exhibits strong preventive activity combined with excellent rainfast and residual properties. These excellent properties result from incorporation of zoxamide into the wax layer of plant tissues. The mode of action of zoxamide involves inhibition of nuclear division. It is different from any of the current and new coming oomycete fungicides. Therefore it will be attracting also for the programmes of anti-resistance strategy of potato blight and downy mildew of grapes.

In Slovenia, in official biotical trials we tested the combination of zoxamide and mancozeb. The product is named ELECTIS[®] 76 WG.

In this lecture, the properties, mode of activity and results of trials in Slovenia and abroad are presented.