



Oilseed rape pests in Serbia

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Crop production structure

- Nearly 4 million hectares of arable land

Crop	Acreage (ha)*	Average yield (t/ha)*
Wheat	600.000	4.2
Maize	1.000.000	6.7
Soybean	173.000	3.1
Sunflower	180.000	2.9
Sugarbeat	52.000	54

* The given data are a three year average from 2014-2016 (National statistical office)



Acreage under oilseed rape

Winter type is prevalent

Year/season	Acreage (ha)*	Yield (t/ha)*
2010/11	18.091	2.6
2011/12	12.012	3.1
2012/13	8.258	2.4
2013/14	14.331	3.6
2014/15	12.567	3.5
2015/16	13.000	4.0
2016/17	36.500	3.3
2017/18	34.000**	-

* According to „Žita Srbije“ association (www.zitasrbije.rs)

** Estimated value



Major oilseed rape pests in Serbia

In autumn:

- Cabbage stem flea beetle (*Psylliodes chrysocephala*)
- Turnip sawfly (*Athalia rosae*)





Major oilseed rape pests in Serbia

In spring:

- Pollen beetle (*Brassicogethes aeneus*)
- Rape and cabbage stem weevil (*Ceutorhynchus napi* and *C. pallidactylus*)





Autumn pests

- Cabbage stem flea beetle and turnip sawfly became more important due to the ban of neonicotinoids
- One or more foliar spraying





Spring pests - Pollen beetle

- Economically the most important OSR pest
- One or more foliar spraying





- **No registered resistance to pyretroids***



* Predrag Milovanović (2012): **Susceptibility of pollen beetle (*Meligethes aeneus* F.) to insecticide with different mode of action and possibility of control.** Doctoral Dissertation. University of Belgrade, Agricultural faculty



Rape and cabbage stem weevil

- Great variation in numerosness depending on locality and year
- In Northern Serbia rape stem weevil is dominant
- In Central Serbia cabbage stem weevil is dominant
- Usually one foliar spraying



Pod pests

- Cabbage seed weevil (*Ceutorhynchus obstrictus*) and brassica pod midge (*Dasineura brassicae*) are NOT YET of economical importance





Pod pests

- Brassica pod midge is present in less than 2% of pods while cabbage stem weevil in less than 1% of pods





Thank you for your attention!