

## WP2: The effect of stimulants agents on broomrape parasitism

**Did you know?**  
*Stimulants inhibit broomrape's germination*

### Implementation

- 10 Introgression tomato lines and 3 commercial hybrids were sowed into pallets with soil and grown under greenhouse conditions
- The plants were inoculated with *P.ramosa*
- The stimulant NE-1 was applied twice



### Key results

- High emergence rates showed to 6 out of 10 ILs 60 days after the treatment with NE-1
- One commercial hybrid presented high emergence rates (up to 70%)
- In a few cases, the rate of germination was induced negligible by NE-1
- NE-1 showed stability in soil conditions

### These findings indicate...

- Stimulants could be an additional tool to the integrated management strategies against broomrape
- More research in field conditions is needed



### Contact

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