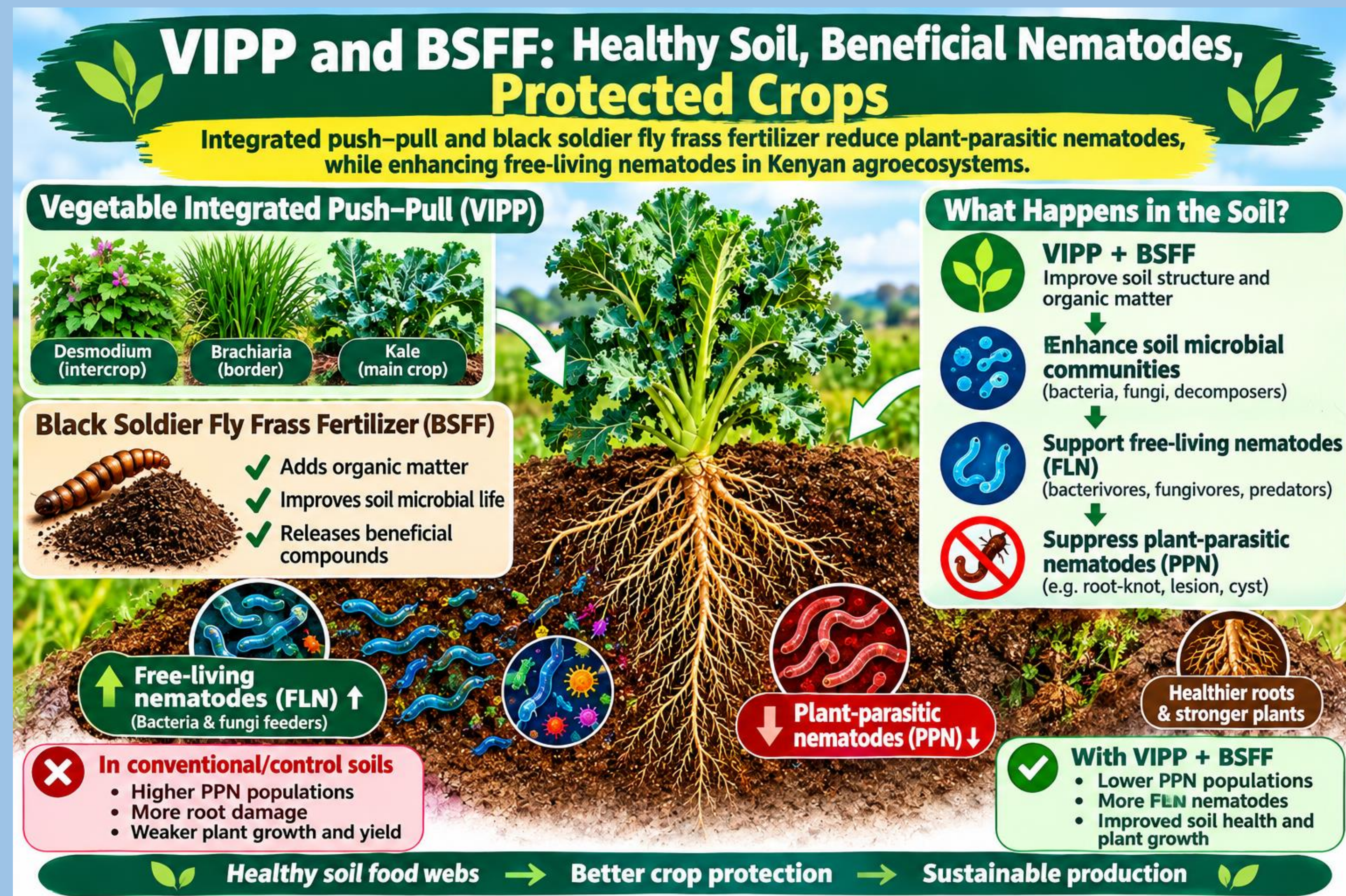


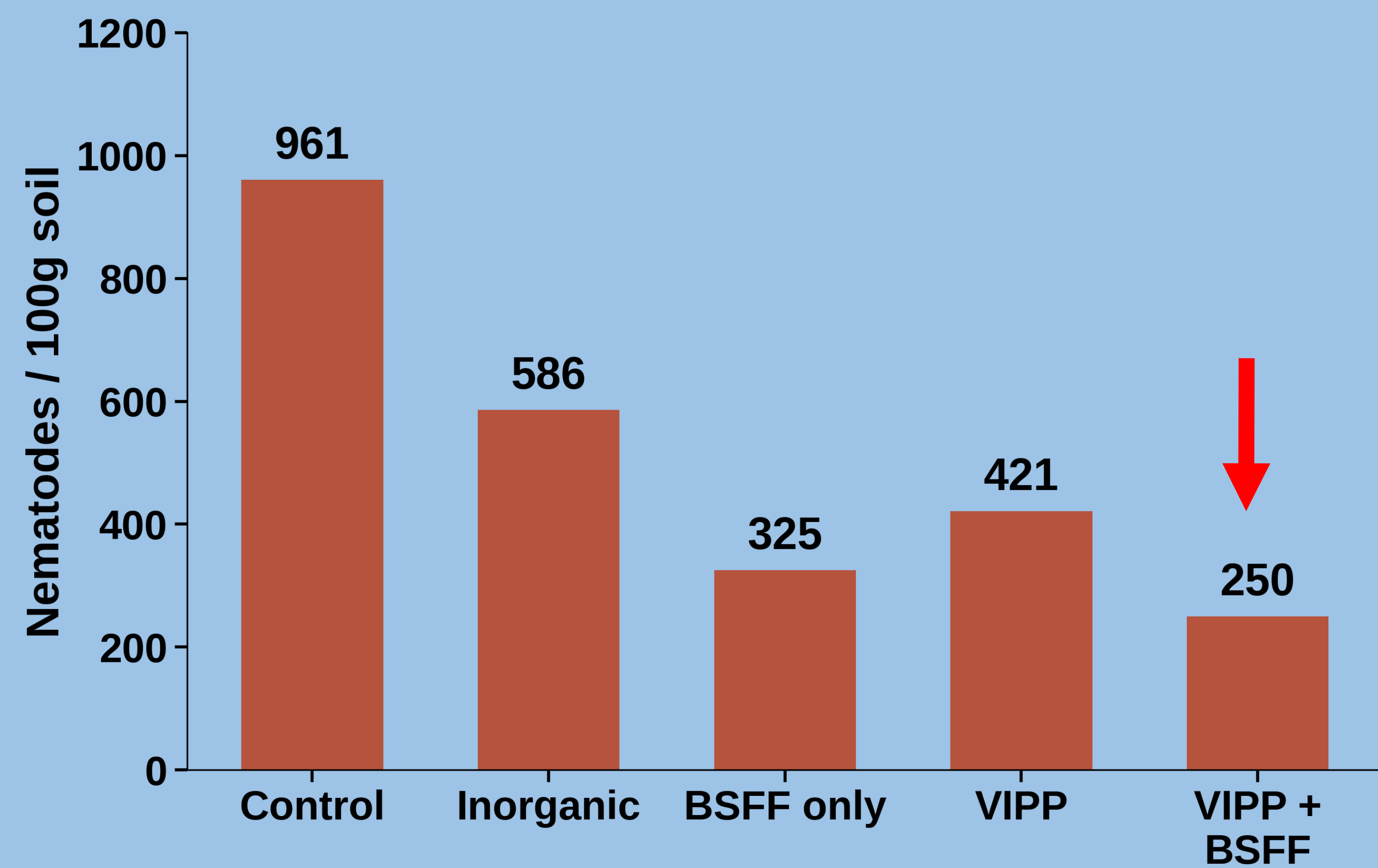
When Two Ecological Practices Team Up, Soil Nematodes Communities Shift

Vegetable intensified pushpull+ insect frass fertilizer in Kenya maize-kale system

- An enemy farmers can't see: plant-parasitic nematodes.
- **Chemical nematicides:** costly, hard to find .
- Could ecological practices already promoted also suppress PPN?



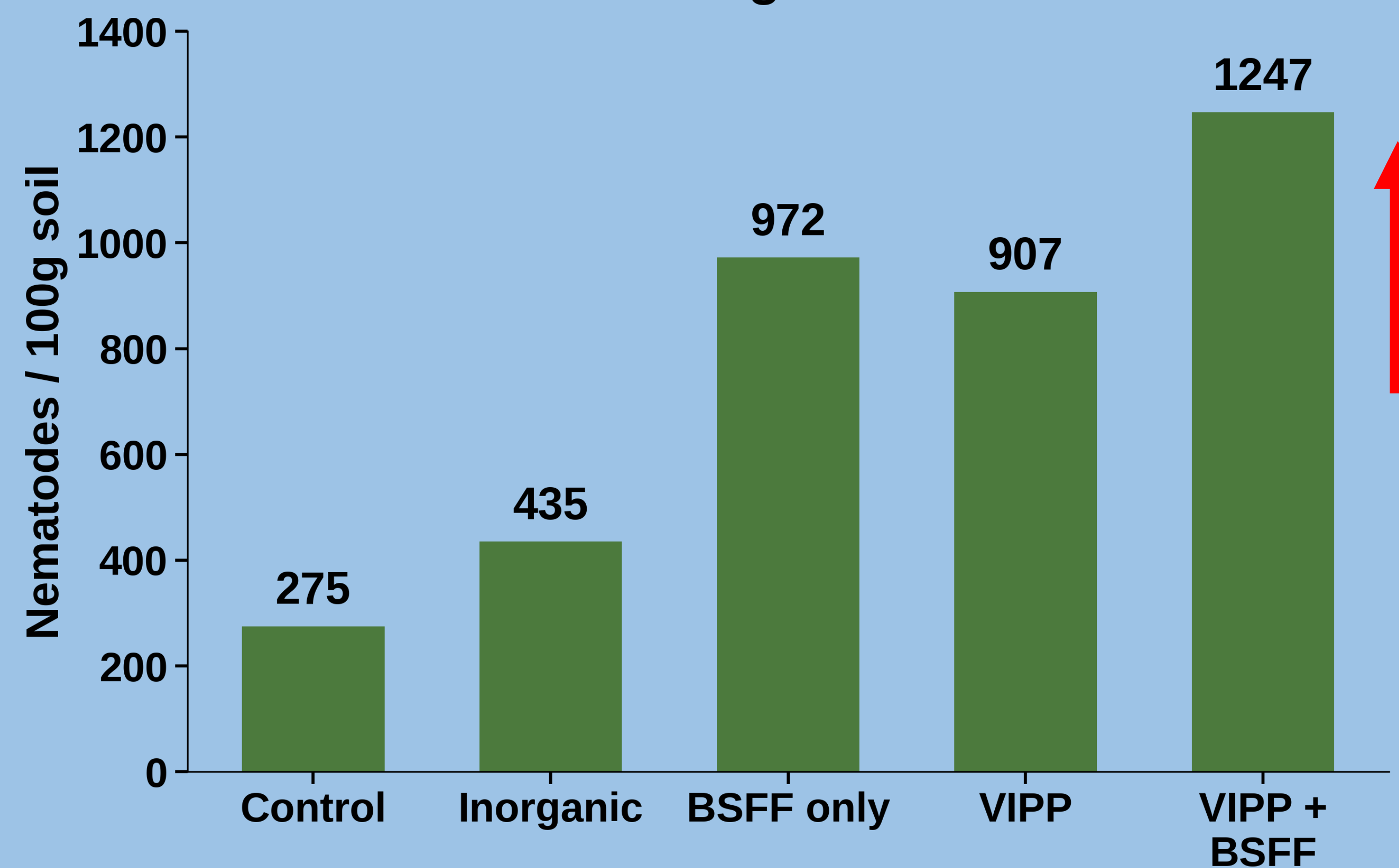
Plant Parasitic Nematodes



Why it works

- **Chitin-** stimulates nematode-antagonistic microbes.
- **Desmodium exudates** disrupt PPN chemotaxis & egg-hatching.
- **Healthier plants** - greater induced resistance

Free-Living Nematodes



The Payoff

- **No new input needed**
*Two practices farmers are already scaling **for pests** and for **fertility***
- **Fix nematode problem, for free.**
- **Message:** *combine these two practices, and the benefits multiply*

- **Next,** we want to see how long this lasts and dig into the microbes behind it.

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