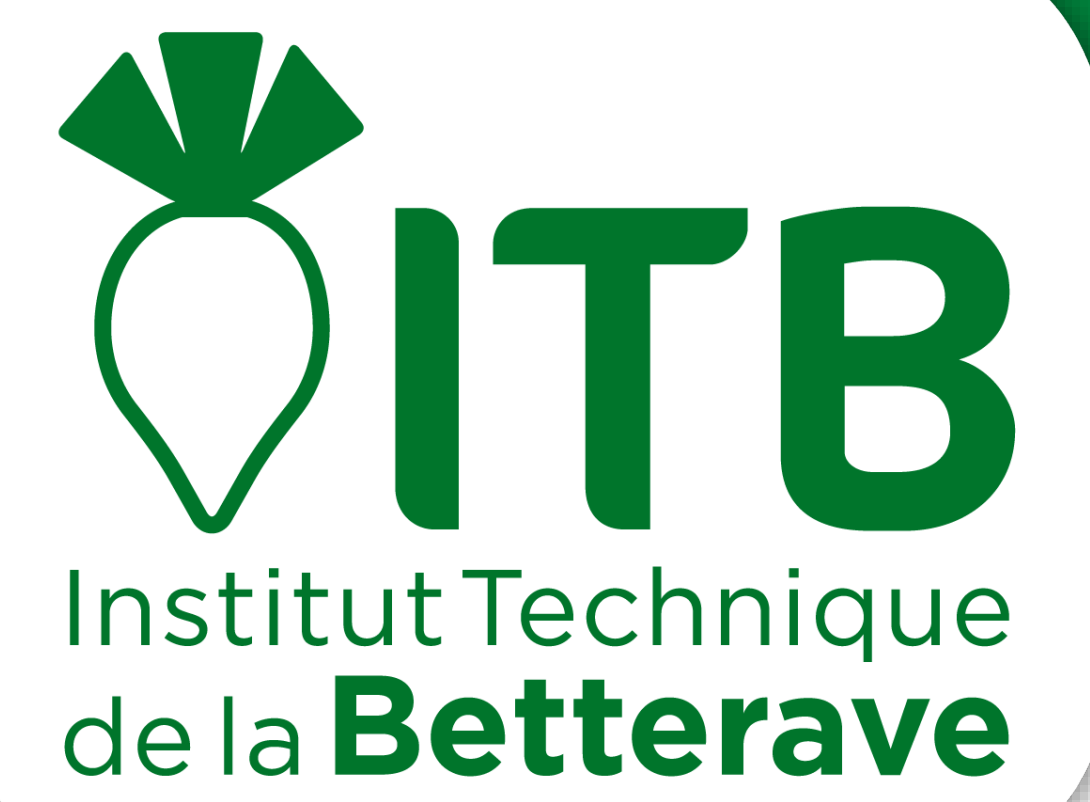


# WEEDS RESISTANT TO CHEMICAL HERBICIDE

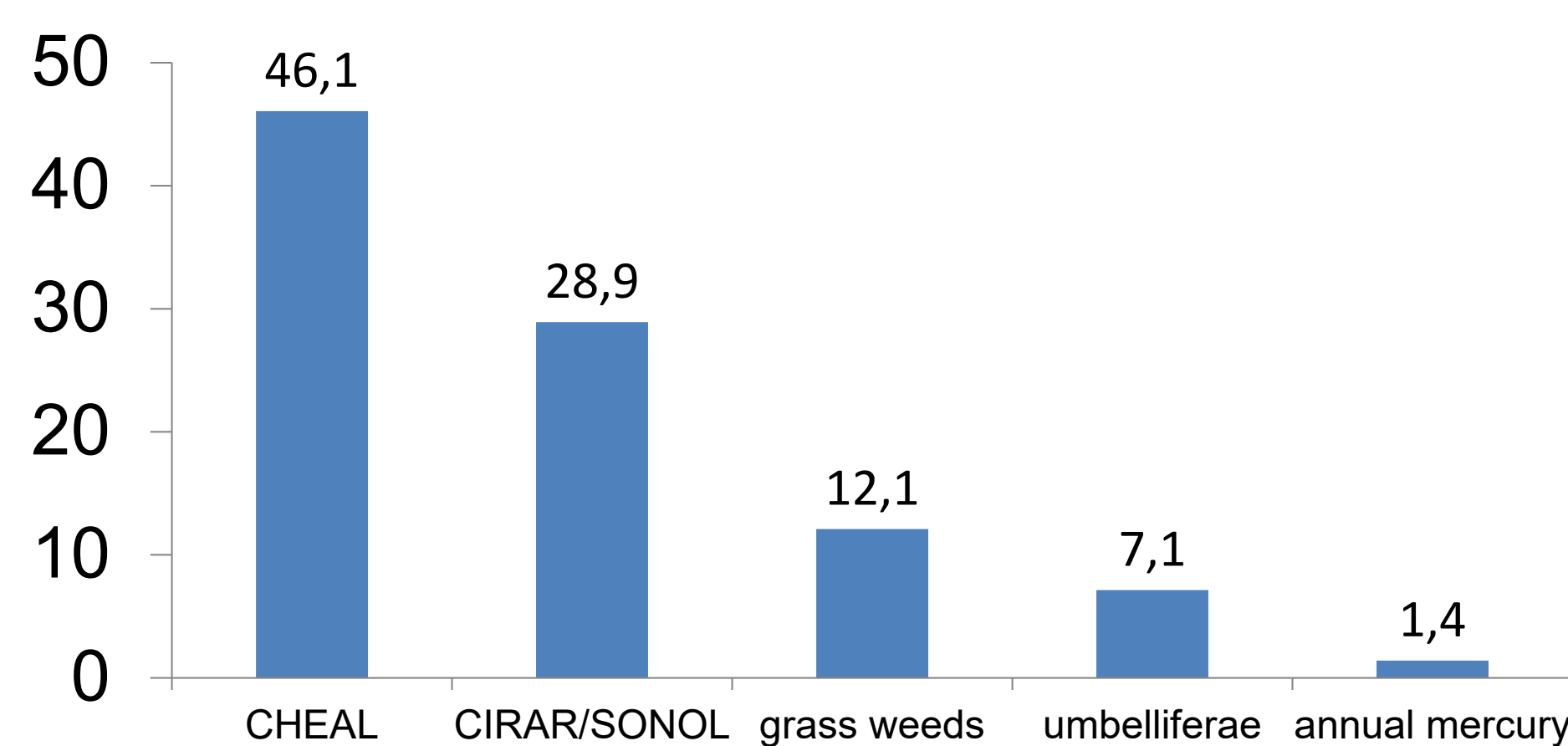
Cédric ROYER (ITB)



## More and more grass weeds in sugarbeet crops

Each year, an investigation is done by ITB on the quality of weeding in France. The technical staff of ITB evaluates about 5000 fields in August/September. Grass weeds are in third position behind CHEAL and CIRAR. Year after year, the number of fields with a percentage of grass weeds increases in sugar beet crops.

Percentage of weeds in the sugarbeet crop (Ranking weeding 2019 - ITB)



## Agronomical solutions

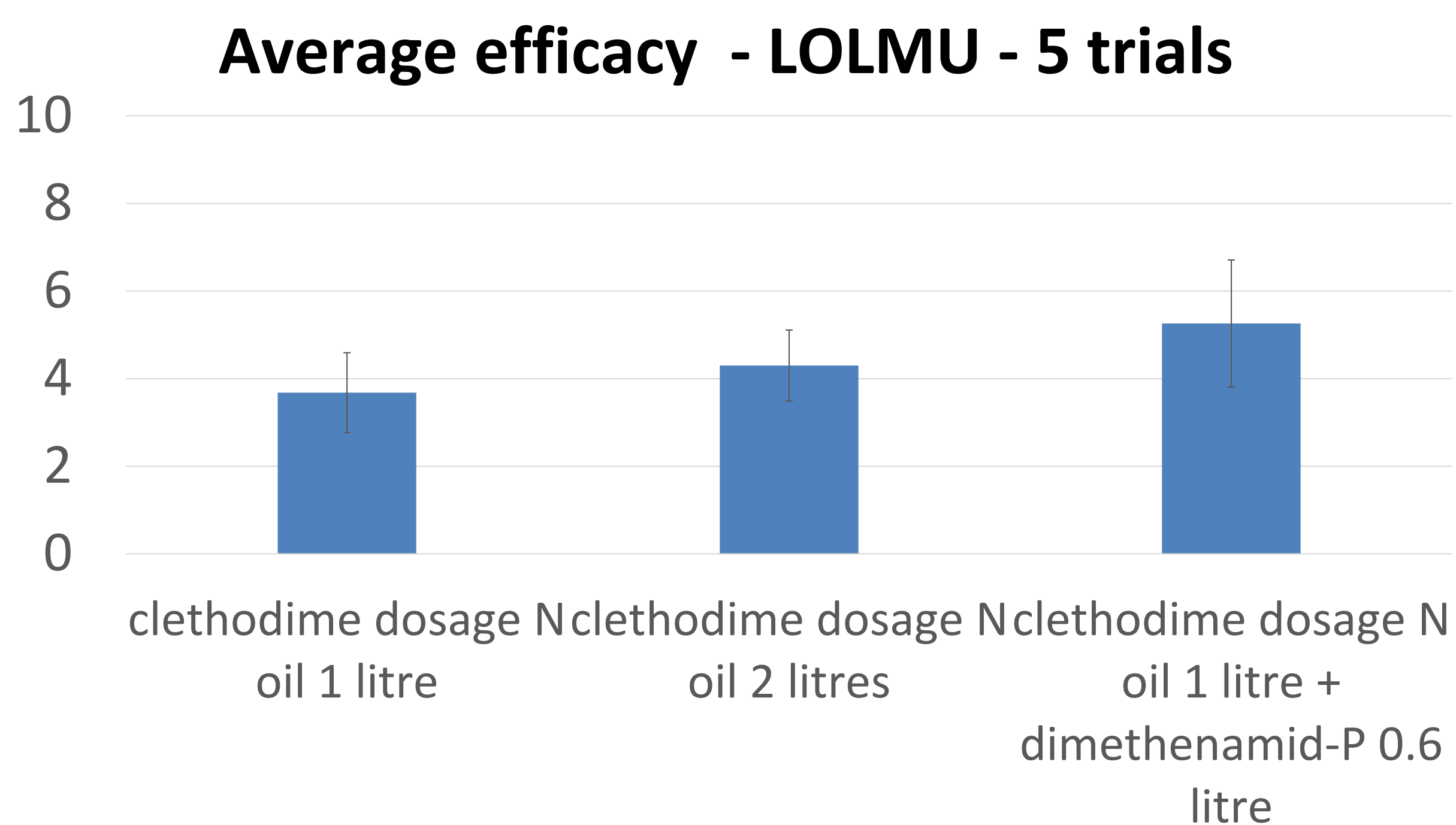
- Agronomic control (ploughing, false seedbed) : the aim is to reduce the seeds of the weeds in the soil.
- Rotation : The goal is to change the crop year after year. This will lead to the usage of different chemical herbicides.



## Chemical herbicide

The first step is to respect application conditions. The optimum dosage must be used and changing means of action will limit resistant weeds.

### Weeding with mixed chemical products



Means of actions (HRAC\*)

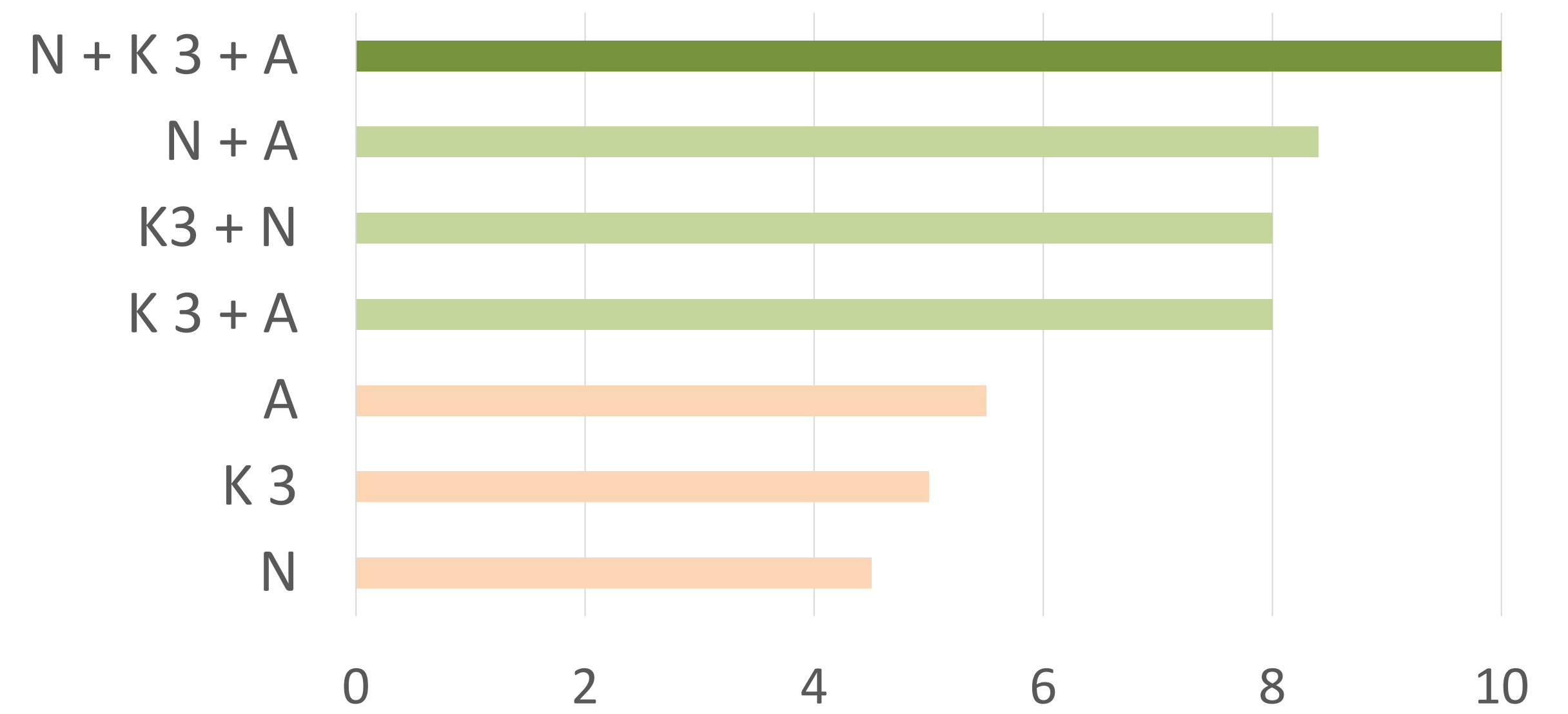
A

A

A + K3

### Weeding with chemical products in a programme

#### Efficacy on LOLMU



	Dose	Application dates
trialetole (N)	3 l/ha	14/03
S – métoalohlore (K 3)	0.6 l/ha	22/03
oléthodime (A)	0.5 l/ha	16/05

With chemical herbicides, the efficacy is better on grass weeds when we use different means of action.

