

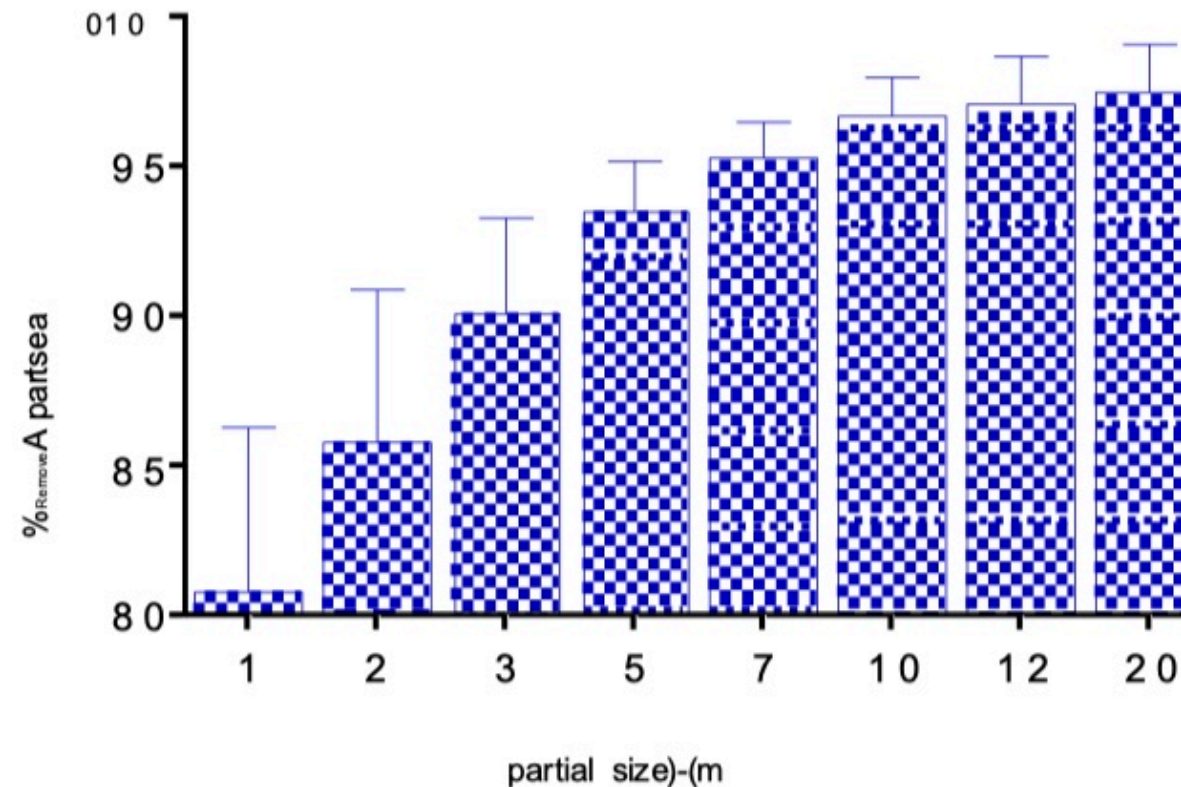
Case Study - Yanay planting, Israel

Growing flowers - reuse of irrigation water



Challenges:

- The water collected after the fertilizer and irrigation process has a high content of silt and low turbidity.
- Frequent clogging of drippers due to poor water quality in reuse: costs Cleaning and replacements



Parameter	Existing Values	Required Values	Results Achieved?
Turbidity (NTU)	3-10 NTU	NTU<2 @ 90% of the time	✓
Removal of size particles 1 micron	less than %50	≥80% @ 90% of the time	✓
Backwash frequency (water lost)	Not Measurable	≥%1 of the water screen	✓