H2Flo™

Agriculture is by far the largest consumer of the Earth's available freshwater.

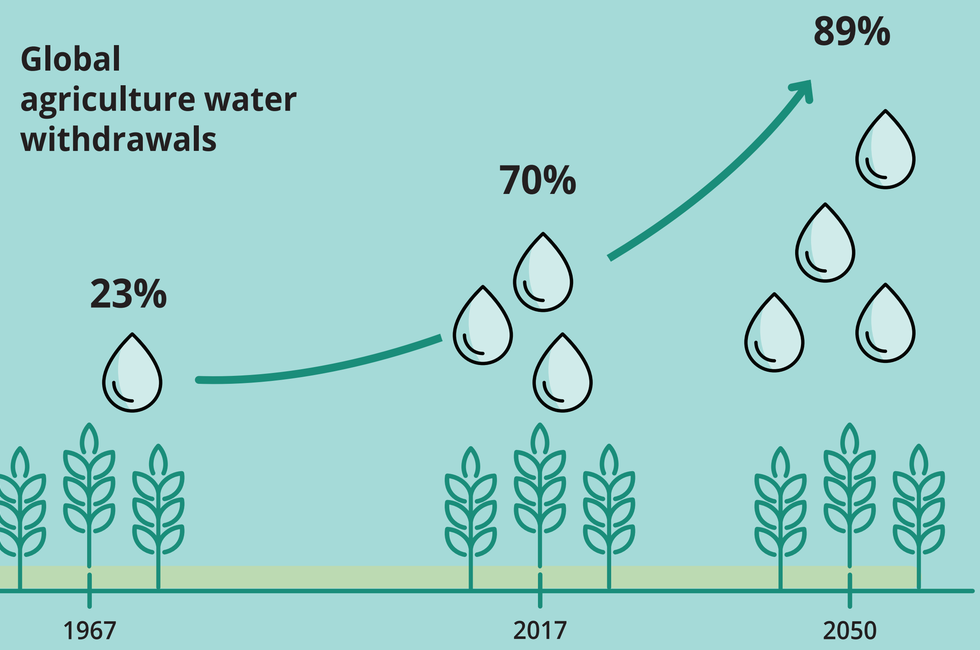
Global water consumption

10% Municipal

20% Industrial

70% Agriculture

Global agriculture water withdrawals



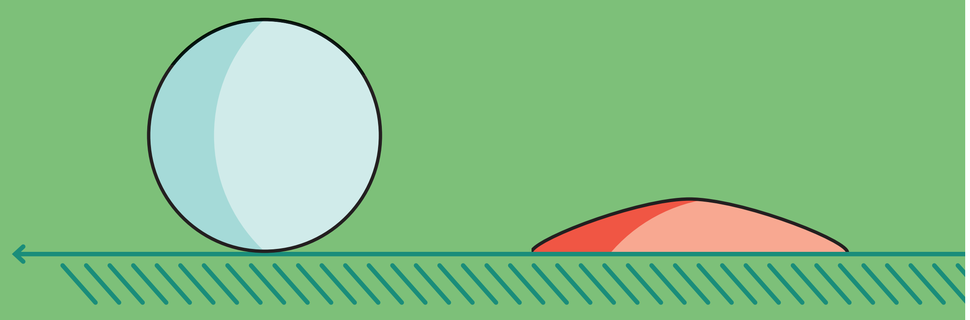
+300%
Many irrigated farms use 2-3 times more water than their crop needs

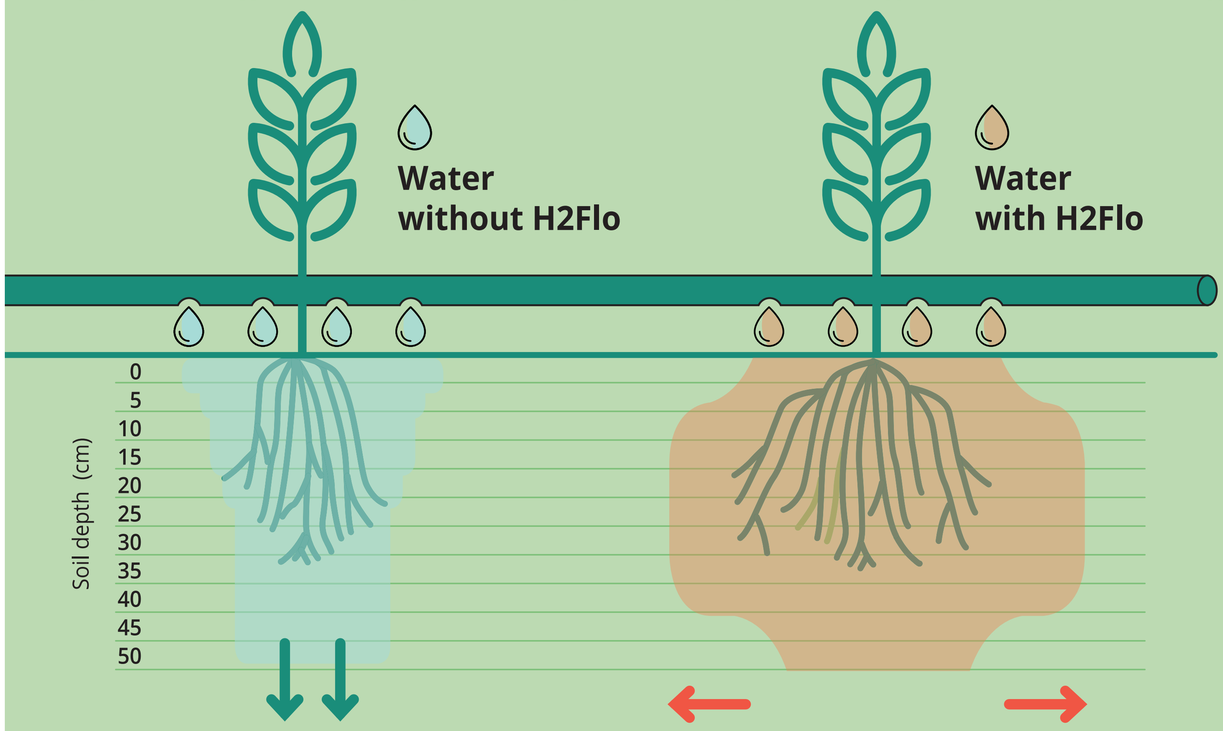
40%
of the world's food is currently cultivated in artificially irrigated areas

How can water usage in agriculture be reduced?

If a soil, that is prone to water repellency, dries to less than a critical water content, its behavior can shift abruptly from wettable to non-wettable. When surfactant is added to water, the water is no longer repelled by non- polar or hydrophobic substances (e.g. in the case of soil, organic matter).

H2Flo is a water conservation agent based on an unique blend of surfactants. Surfactants (SURFace ACTive ageNTs) are compounds that lower the surface tension between two liquids or between a liquid and a solid.





How does H2Flo™ work?

A low surface tension allows water to penetrate the soil by freely spreading across the soil particles, promoting the horizontal movement of the water, especially in sandy soils. This leads to a better-developed root system and thus to a better absorption of nutrients, while the amount of water can be significantly reduced.

Application rate of H2Flo

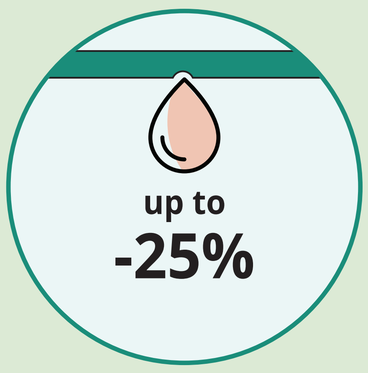
Pre-planting/Wetting up of growing media:	1.2-2.4 ltr/ha
Initial application, in soil grown crops:	1.2-2.4 ltr/ha
Monthly application, in soil and growing media grown crops:	0.6-1.2 ltr/ha

Application method
Irrigation or boom-sprayer*.

** Please contact ICL SF representatives for more details!*

Proven performance

Worldwide trials in various crops show that farmers can save up to 25% of irrigation water with H2Flo.



Reduced irrigation

Yield increase

Extra income

ICL Specialty Fertilizers

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