

Test the power of the
combination with

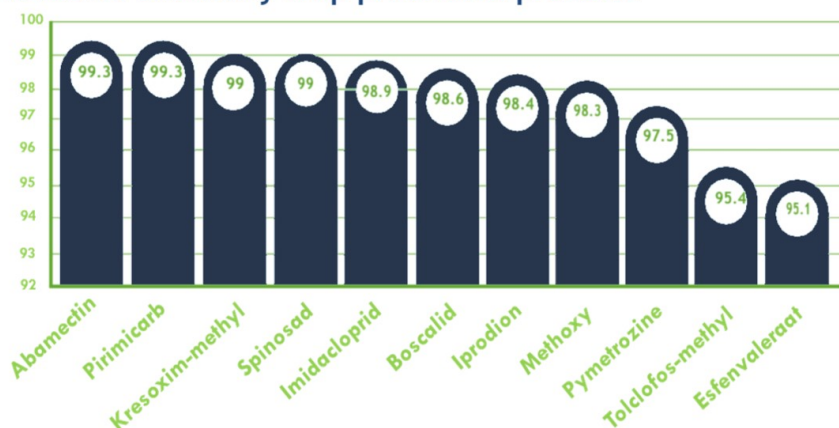
AOP!



Verhoeve Milieu & Water owns a powerful (mobile) water treatment unit. Various techniques are integrated into one “Advanced Oxidation” system. Filtration followed by ozone, hydrogen peroxide and UV.

Contaminants which are difficult to treat in process and wastewater

Removal efficiency crop protection products



Since January 1, 2018, the legislation regarding the discharge possibilities in greenhouse horticulture has changed with a purification obligation and various discharge restrictions of "new substances" such as PFOS and Gen-X as a result. Verhoeve Milieu & Water has developed a technology through "Advanced Oxidation" to meet the treatment obligation. The Advanced Oxidation 5 unit (AOP5 unit) has been manufactured here. AOP5 removes powerful and robust plant protection products (GBM), pathogens and various recalcitrant substances. The innovative techniques ozone (O_3), hydrogen peroxide (H_2O_2) and Ultraviolet (UV) are combined and processed in a (mobile) 20-foot container.

Referenties:

- Removal of pigment and colouring matter from process water;
- Removal of PFOS and PFOA from waste- and groundwater;
- Removal of GBM from drainwater;
- Removal of medicine residues from waste water;
- Removal of pathogens and bacteria from irrigation water;

- Capacity: 5 m³/h;
- 'In-line' treatment or by batch (10 m³);
- Pre-filtration;
- Ozone, hydrogen peroxide and UV treatment;
- All variations are possible;
- Online control program CARS;
- Mobile: all techniques are integrated in a 20 ft. Container;
- Perfect as calamity solution;
- Power connection: 3x32 Amp. Power consumption: ≈10 kWh.

Certification:

The purification Greenhouse Horticulture Assessment Committee (BZG) has assessed the unit for operation and maintenance. BZG has approved and certified the unit. The unit achieves the purification efficiency of ≥95% for all active substances from Standard Water and therefore meets the set norm value of, among other thing, GBM.

For more information, see: www.verhoevemw.com/en/advanced-oxidation-with-aop5/

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