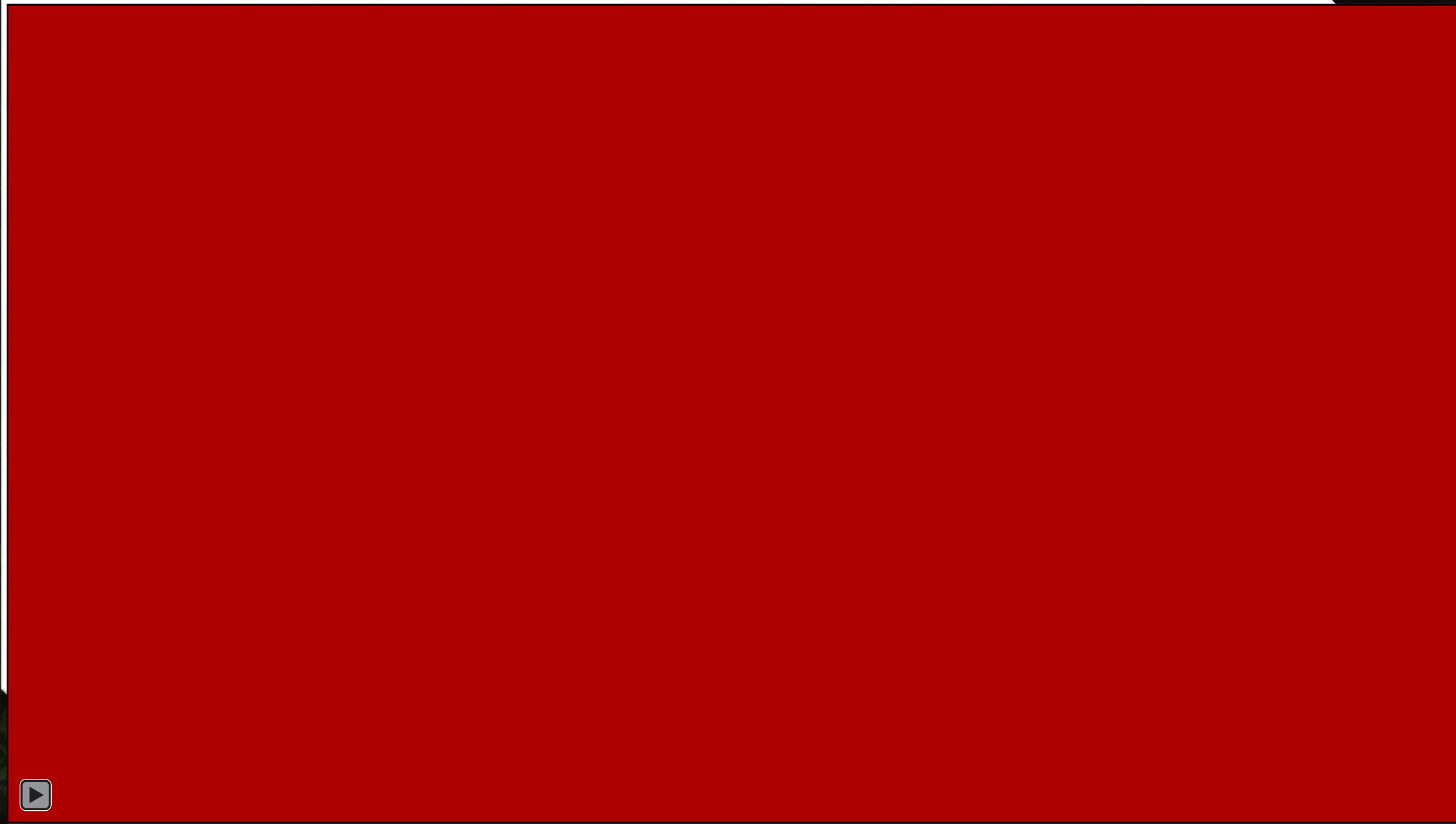


WP3- Greenhouse Horticulture



4th Autonomous Greenhouse Challenge



4th Autonomous Greenhouse Challenge

Oogst [per pot]

Team	Vers- gewicht [g]	Droog- gewicht [%]	Inkomsten [€/pot]	Straf- punten [€/pot]	Kosten [€/pot]	Teeltduur [dagen]	Plantdicht- heid [potten/m2]	Netto winst [€/m2/dag]	Teelt ranking	IPM punten	IPM Ranking	Gewogen gemiddelde	Eind- uitslag
IDEAS	219	6.8	€1.80		€-1.19	71	40	€0.34	1	70	3	1.5	1
Agrifusion	258	7.2	€1.84		€-1.47	79	25	€0.12	3	83	1	2.5	2
MuGrow	252	7.3	€1.86		€-1.49	70	33	€0.17	2	55	5	2.75	3
Trigger	268	5.9	€1.80	€-0.20	€-1.48	80	33	€0.05	4	70	3	3.75	4
Tomatonuts	283	6.0	€1.80	€-0.10	€-1.66	80	23	€0.01	5	77	2	4.25	5
Reference	275	6.6	€1.80		€-1.42	74	25	€0.13					

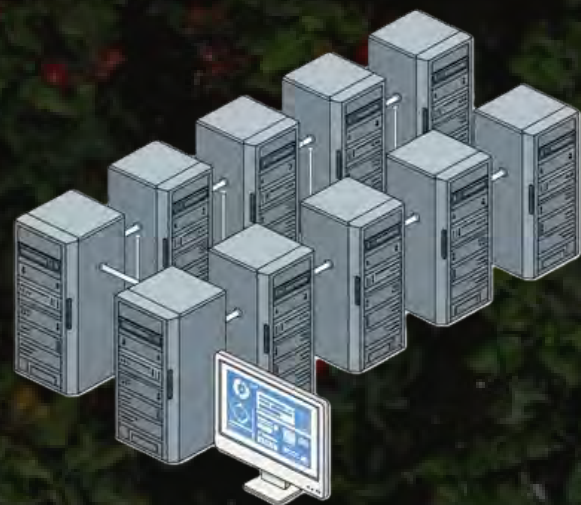
4th Autonomous Greenhouse Challenge

Oogst [per pot]

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Greenhouse Climate Control

- State-of-the-Art Control Loop



Greenhouse Climate Control

- Cascaded Climate Control Loop
 - Industry-oriented



Greenhouse Climate Control

Explore how to

- Autonomous Climate Control
 - Under more realistic assumptions
 - To improve Economic Performance
- Adapt State-of-the-Art to Industrial Practice
 - Without Groundbreaking Changes

