

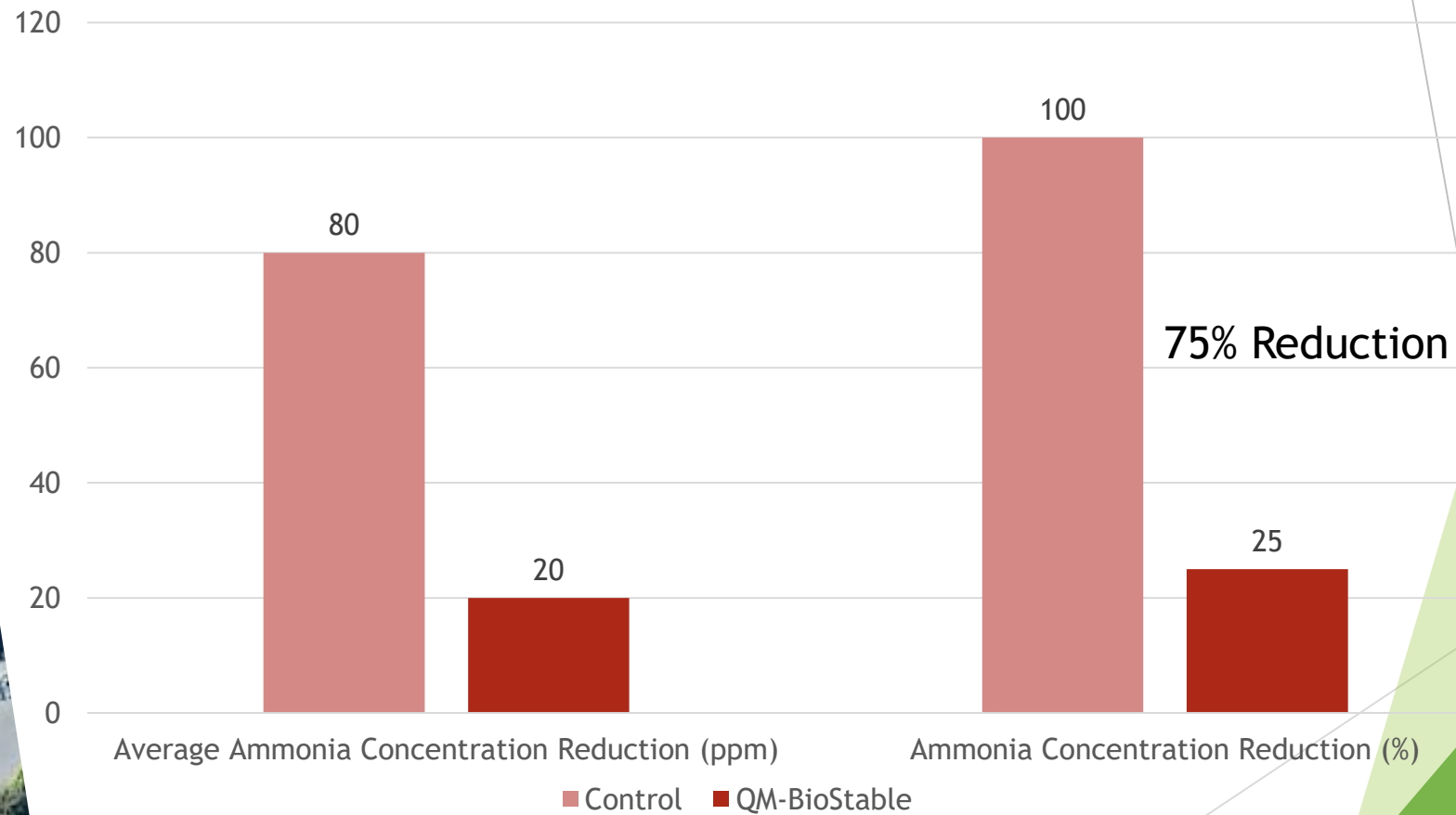
Poultry Stable Treatment with QM-BioStable

- ▶ Location: Chicken test farm, The Netherlands
- ▶ Test setup:
 - ▶ 2 Identical stables (1000 m² surface/stable)
 - ▶ Climate (temperature & humidity), feed, drinking water conditions the same in both stables
 - ▶ Number of chicks per stable: 22.000 (1 day old)
 - ▶ Treatment Program
 - ▶ Stable 1: Floor surface sprayed with 1 L QM-BioStable in 10 L water ($V_{tot} = 11$ L)
 - ▶ Stable 2: Floor surface sprayed with 11 L of water
 - ▶ Test repeated 8 times in 1 year
 - ▶ Monitoring Program:
 - ▶ Ammonia measurements with Dräger NH₃ monitor at the entrance of the ventilation shaft
 - ▶ Mortality
 - ▶ Animal Weight



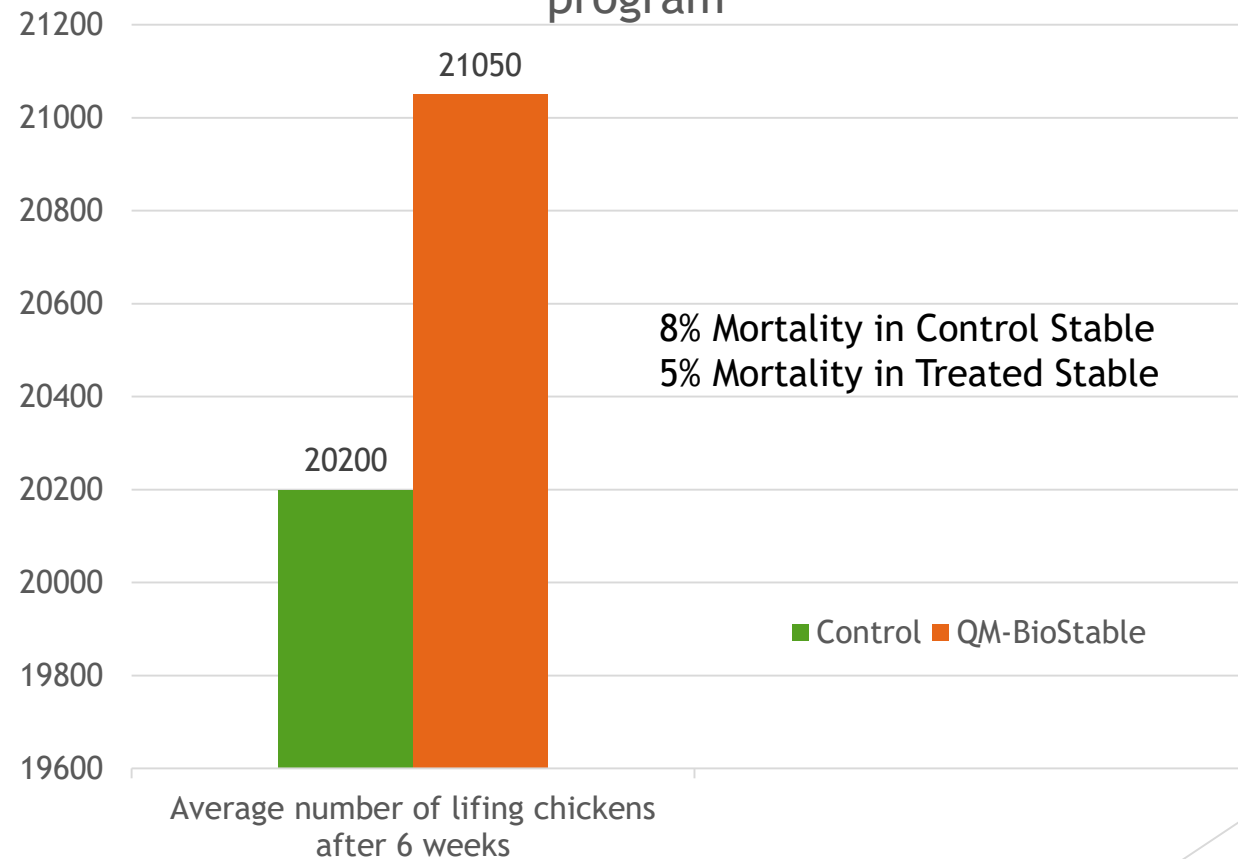
Poultry Stable Treatment with QM-BioStable

1 Year Treatment Results for Ammonia concentrations



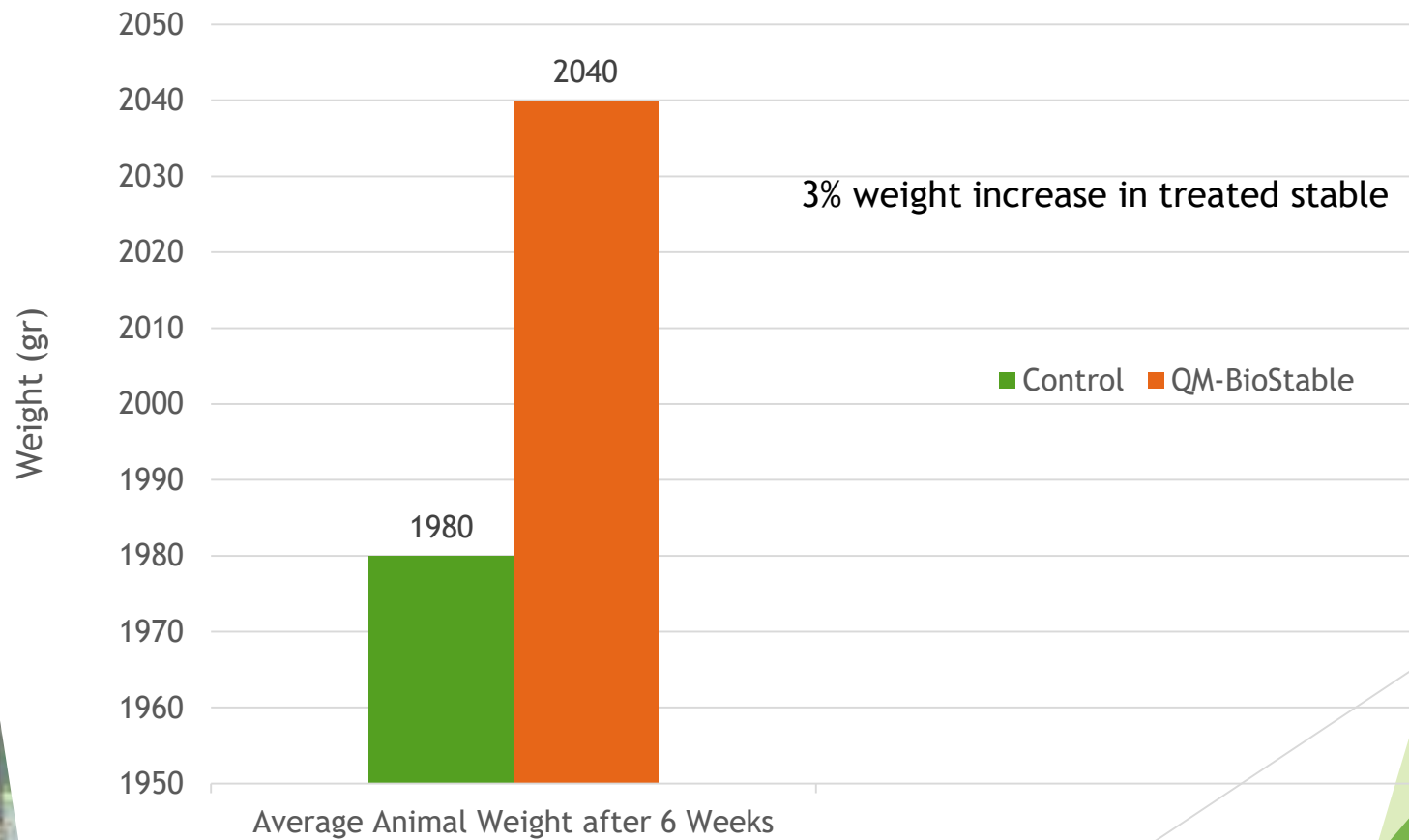
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Average number of living chickens after a 6 week cycle during the 1 year treatment program



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Average Chicken Weight after 6 week cycle during the 1 year treatment program





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► Yield:

- Control: 8 sessions x 20.200 chickens x 1,98 Kg x € 0,63/Kg = € 201.579,84
- Treated: 8 session x 21.050 chickens x 2,05 Kg x € 0,63/Kg = € 217.488,60

► Yield increase: + 7,89 %

► Conclusions

- QM-BioStable reduces ammonia concentrations in the atmosphere of the stable
- QM-BioStable application increases the weight of the animals
- QM-BioStable application reduces mortality
- QM-BioStable application increases the yield for the farmer

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