

Comparison of lucerne genotypes and varieties in pure and mixed stands

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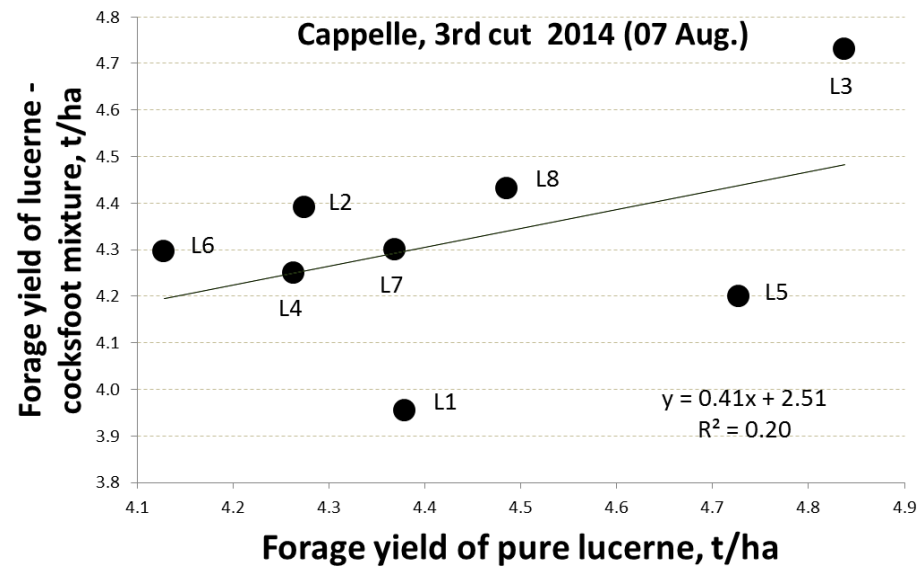
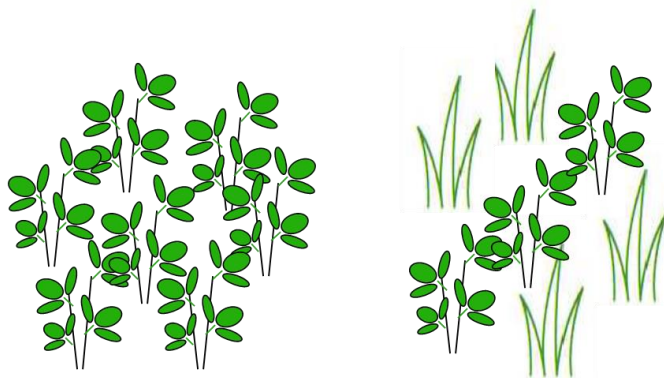
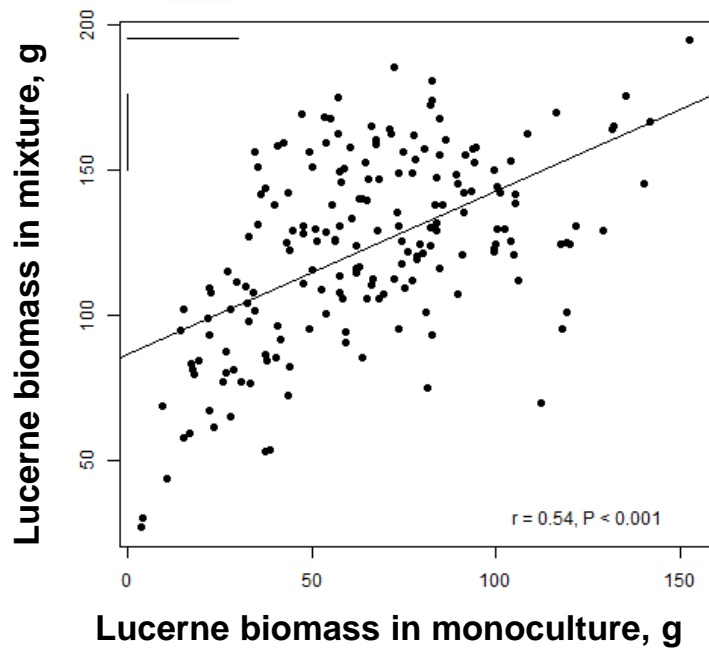


Context

- agronomic, economic and environmental advantages of mixtures
- Lucerne varieties are bred and evaluated in monoculture
- two questions:
 - is the ranking of varieties in monoculture the same as in mixture?
 - in mixtures, does the ranking of the varieties of one species depend on the variety of the companion species?

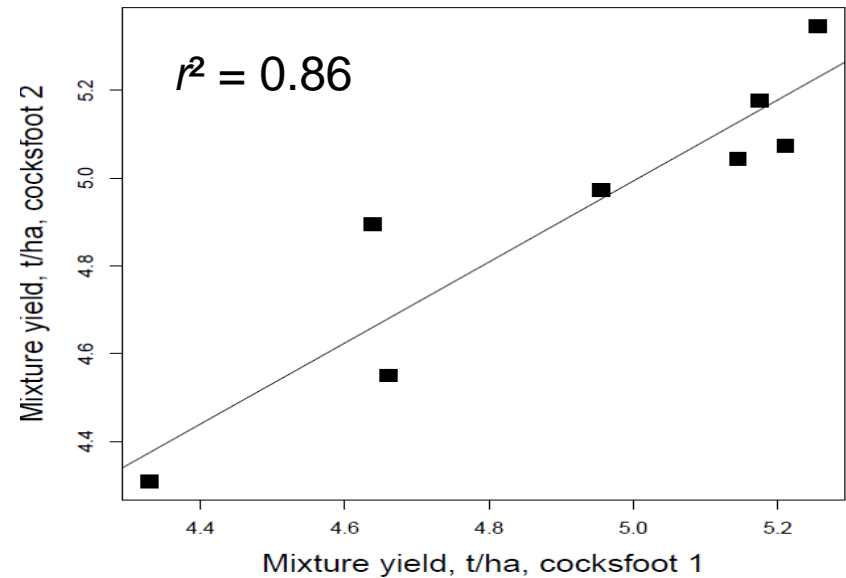
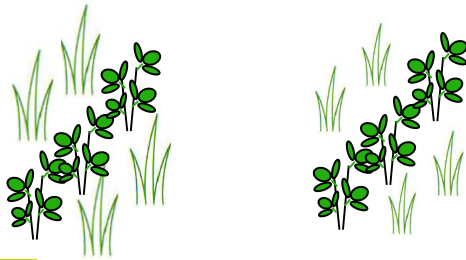
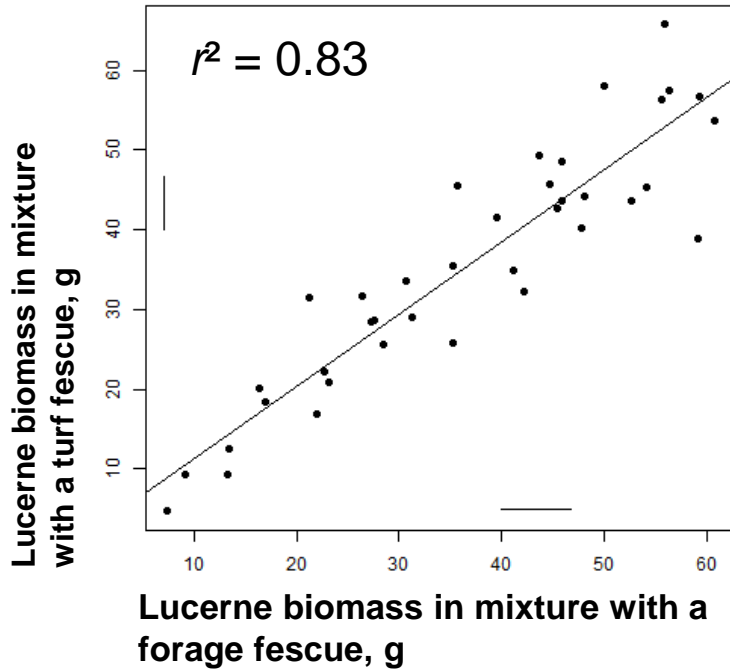
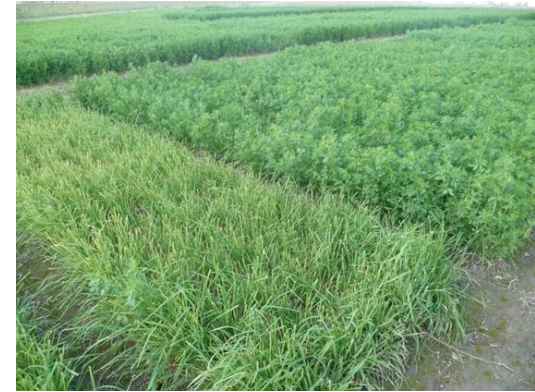


Is the ranking of varieties in monoculture the same as in mixture?



→ Not exactly !

In mixtures, does the ranking of the varieties of one species depend on the variety of the companion species?



→ No ! No interaction between lucerne variety and grass variety

Conclusion

- it is important to take into account the performance of the varieties in mixtures during breeding and registration
- the companion variety does not affect the test of target varieties



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