



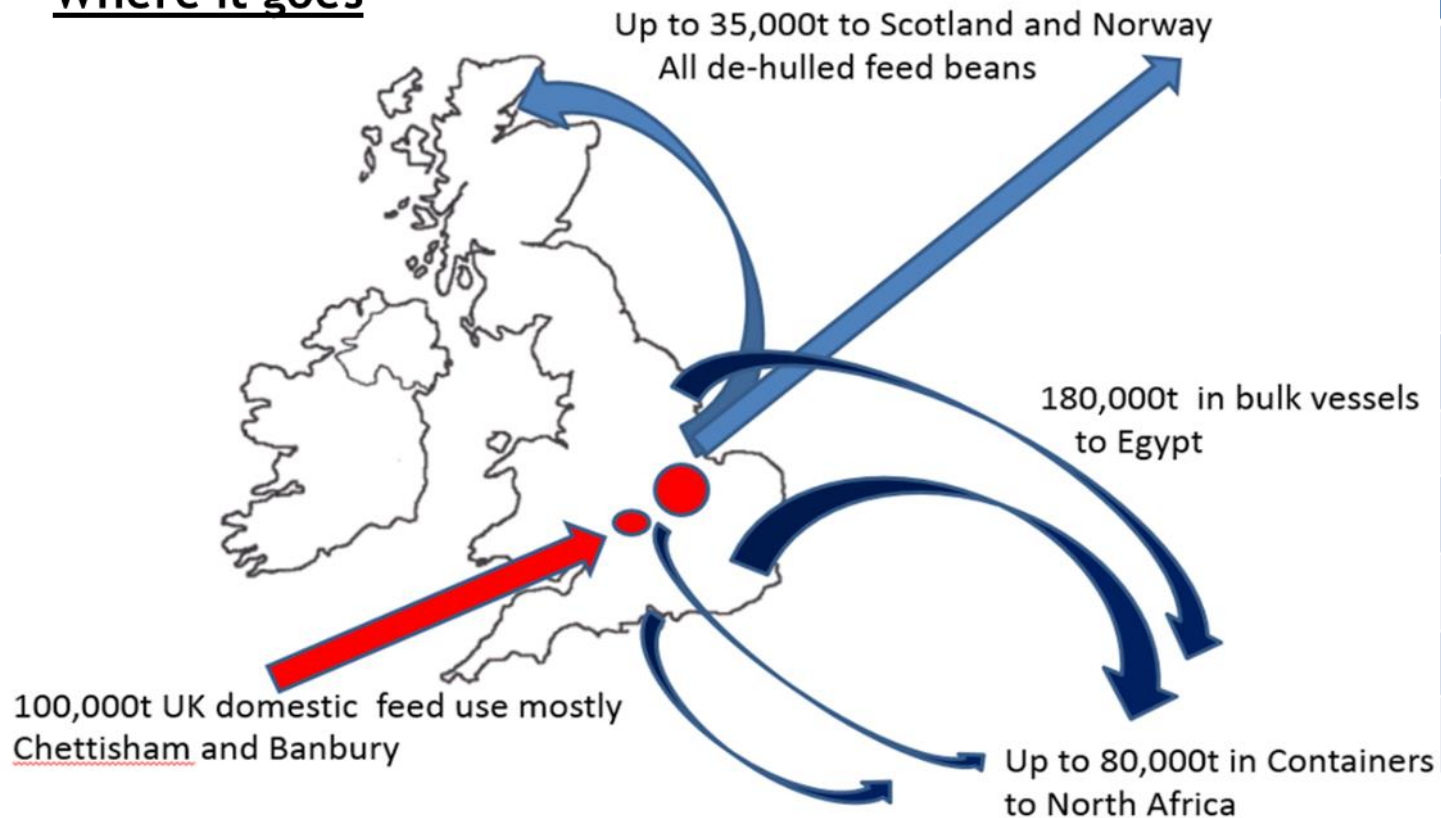
EIP Meeting Budapest

Fava beans – UK farmers perspective

Roger Vickers
November 2015

UK Bean production

Where it goes



Main topics interest

- Problems /Issues concerning growers
- Benefits
 - Rotational - value in the crop sequence
 - Profitability - economic returns
 - Political – National and European regulations



Grower's crop concerns

Leaf and pod spot

(*Ascochyta fabae*)



Rust

(*Uromyces fabae*)



Downy mildew

(*Peronospora viciae*)



Chocolate spot

(*Botrytis fabae*,
B. cinerea)



Sclerotinia

(*S. trifoliorum*,
S. sclerotiorum)



Foot and root rots

(*Fusarium culmorum*, *F. solani*,
Phoma medicaginis var. *pinodella*)



Black bean aphid

(*Aphis fabae*)



P&B Weevil

(*Sitona lineatus*)



Bean seed beetle

(*Bruchus rufimanus*)



Pea aphid

(*Acyrtosiphon pisum*)

Stem nematode

(*Ditylenchus gigas*, & *dipsaci*)



Yield stability / consistency

Seed availability & variety choice

Markets, prices and demand

Ag Chem availability

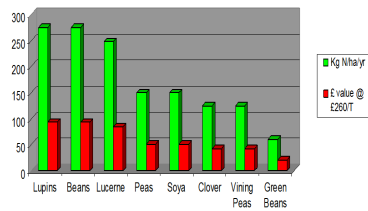
- Pest and disease control
 - EU directive 91/414 & regulation 1107/2009



Main rotation benefits

Residual nitrogen
Labour spread
Break crop benefits
Weed control

Fixed Nitrogen value



Black grass – *Alopecurus myosuroides*

Method	% control achieved		Comments
	Mean	Range	
Ploughing	69	-82 to 96%	Can have considerable benefits
Delayed drilling	31	-71 to 97%	Later the better but yield may suffer.
Higher seed rates	26	7 to 63%	Higher the better but lodging may become an issue, increased costs.
More competitive varieties	22	8 - 45%	Useful
Spring cropping	88	78 - 96%	Effective, but challenging on heavy soils limited herbicides.
Fallowing/grass leys	70-80% per year (of seedbank)		Need to avoid new seeding.

Source : Dr S Moss Rothamstead Research

Black grass – *Alopecurus myosuroides*



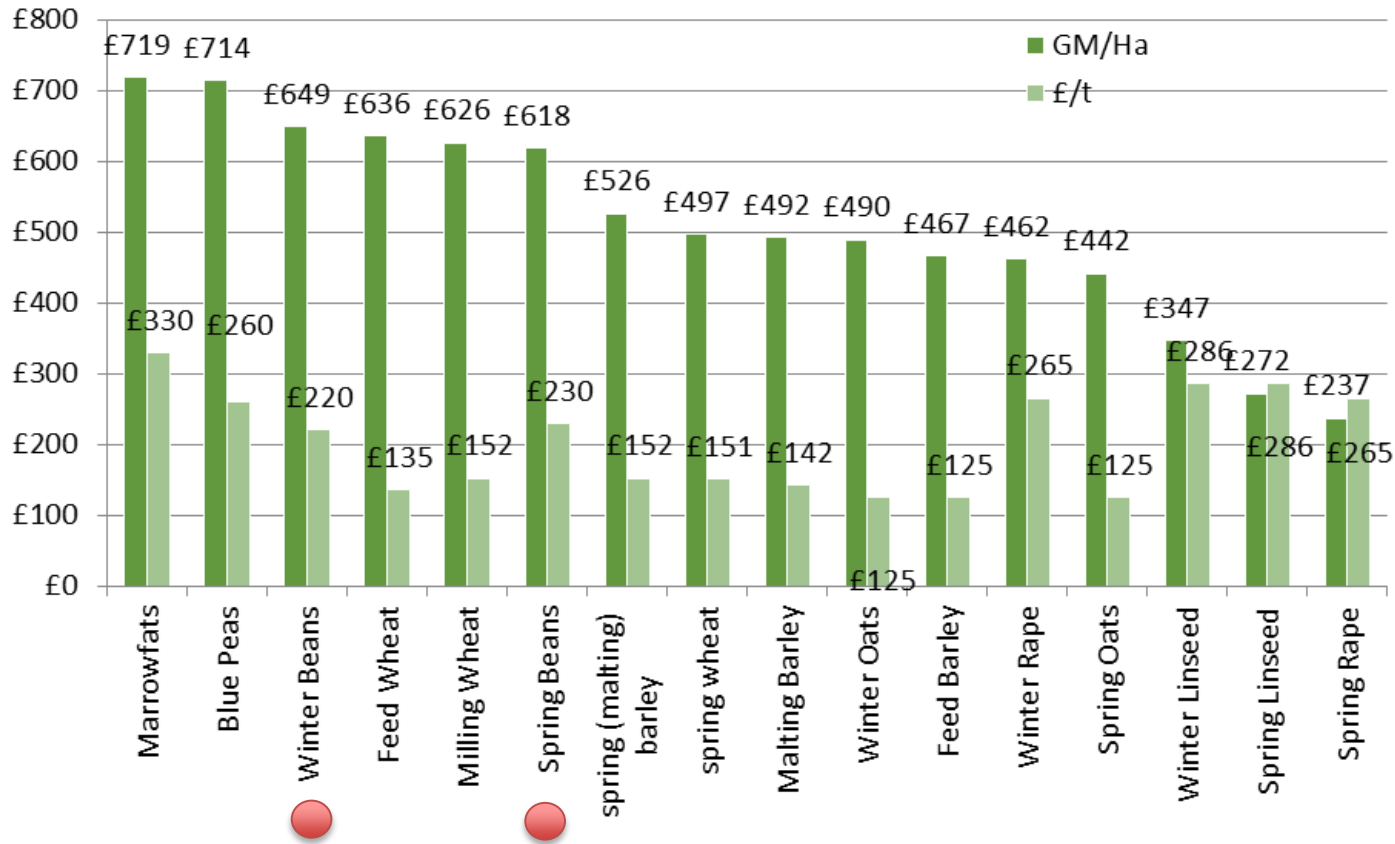
Can cultural controls tackle economic losses from declining herbicide efficacy?



Effectiveness of cultural control



Profitability



Gross margins of combinable crops 2015 harvest

Source : John Nix Farm Management Pocket book 2015



Political

- CAP reform - Greening Measures
 - 3 crop rule
 - EFA (Ecological focus area)
 - 70% area qualification
 - Basic Payment Scheme value
 - Circa £63/Ha
- Crop value enhanced by CAP



Conclusions

- Rotational issues are key
 - improve understanding & awareness
- Political
 - unstable reasons prone to change
- Profitability
 - Markets need developing and sustained grower commitment.

Thank you

