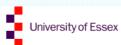
Broodmare demographics: A study of a United Kingdom sport horses stud during a stud season.

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1. Background

- Previous studies have highlighted the demographics of the thoroughbred broodmare population visiting stud farms.
- •However, limited study has been undertaken within the sport horse population.

4. Results

The sample population consisted of 238 sport horse broodmares.

Age profile

- •51.6% (n=123) 9 -15 yrs (χ = 36.210, P<0.001)
- •23.4% (n=55) + 15yrs

Status profile

- •41.6% maiden
- •38.2% barren
- •20.2% with foal at foot

Method of Service

- •62.6% (n=147) fresh semen (χ = 92.630, P<0.001)
- •25.6% (n=61) frozen semen

End of year positive pregnancy diagnosis

- •66% (n=155) overall (χ=21.782, P<0.001).
- •70% ≤ 8 yrs
- •61% + 15 yrs
- •70% maiden mares
- •69% barren mares
- •48% mares with foals at foot (χ =7.845, P<0.05).

2. Aim

To evaluate the demographic profile of sport horse broodmares visiting a large sport horse stud within the UK over a single stud year.

3. Method

- •Data was collated and discriminated by various measures of status and outcome.
- Frequencies were returned for discriminating variables.
- Further cross tabulation comparison and chi square analysis was undertaken.



5. Conclusions

- •This study indicted different demographics in the mare population when compared to previous studies in the thoroughbred, in particular age and method of service.
- •Overall positive pregnancies was consistent with others studies on sport horse populations.
- •Significantly lower rates of positive pregnancy diagnosis observed in mares with foals at foot.