



CRC

for

Premium

Quality

Wool

The Effect of Photoperiod on Wool Growth

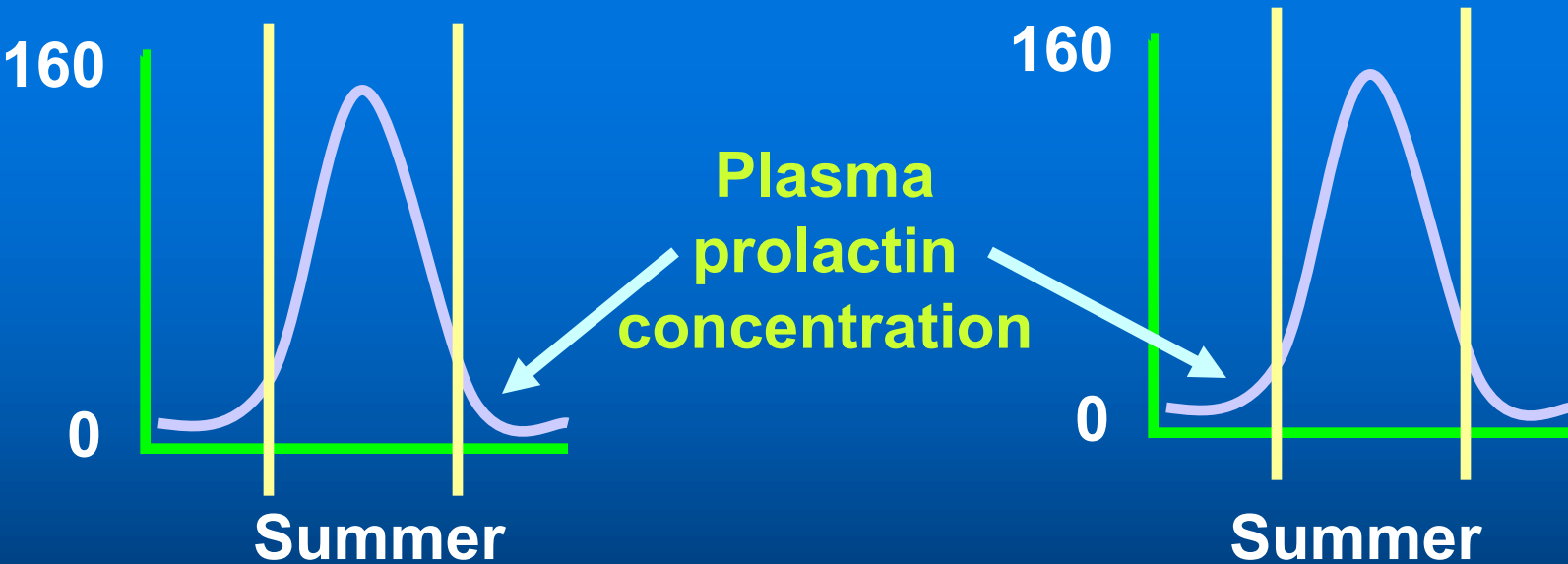
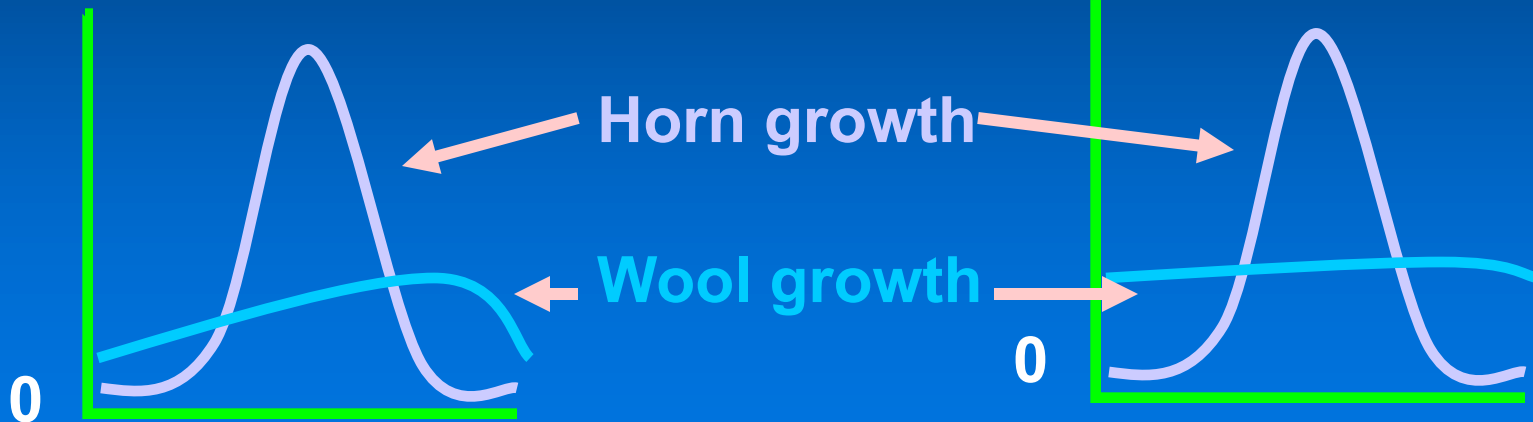
Produced for the CRC for Premium Quality Wool undergraduate program by;
Dr. Peter Wynn, The University of Sydney.



Photoperiod Effects

Wiltshire

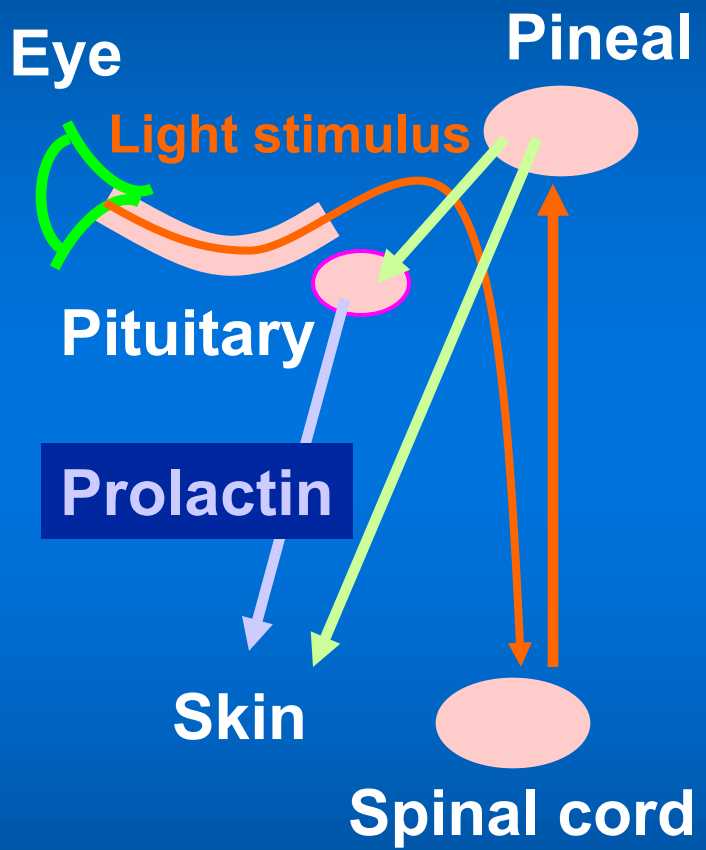
Merino



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Prolactin/melatonin



- Hormonal basis for seasonality
- **Melatonin** released from pineal at night
 - may inhibit prolactin release in winter which may cause a decrease in wool growth
 - Pinealectomy increases wool growth (?)
 - Prolactin receptors in the skin

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