Effect of Prepartum Photoperiod on Milk Production and Prolactin Concentration of Dairy Ewes. By Mikolayunas et al., page 85. Day length regulates many aspects of mammalian physiology. Ewes exposed to short-day photoperiod (8 h light:16 h dark) for at least 6 wk before lambing produced 0.30 ± 0.08 kg/d more fat-corrected milk during the first 8 wk of lactation than ewes exposed to long-day prepartum photoperiod (16 h light:8 h dark). Dairy sheep producers may breed ewes to lamb during days with short photoperiods, thus increasing daily fat-corrected milk production due to the effects of prepartum photoperiod and the effects of increasing postpartum day length.