Premilking Teat Preparation for Australian Pasture-Based Cows Milked by an Automated Milking System. By Davis et al., page 2604. In automatic milking systems (AMS) a premilking udder preparation regimen is generally used with additional benefits of promoting milk let-down to increase the rate of milking and cow throughput. This additional benefit of udder preparation was investigated in a DeLaval voluntary milking system under conditions of voluntary movement of cows in a predominantly grazing situation. The cows responded to the cleaning regimen by milking out more quickly, but this time saved was less than the time to impose the cleaning regimen, affecting the potential number of cows that could be milked by AMS.