Recap Predictions of breeding values using Linear Mixed Effect Models (LME). D Model: 4 = XB + Zu +e y: Observations B: fixed effects U: random effects -> breedily values e: vandan vesiduals 17 Example: Sire Model -> Dairy Cattle Replaced 4 by s (4 = XB+ 254c) y = XB+64+e - vector of breedly values for sires (1) Estimate fixed effects and predict breedily values for sires, simultaneously - Dams de not get breedby velus.