



Figure 4. Response of milk production (ton/acre) to growth stage (Zadoks) for winter cereals in 2014 and 2015. This linear relationship was described with a mixed-effects model that included block nested in site as a random effect. The interaction between growth stage and species was significant in 2014 ( $P < 0.001$ ,  $R^2_c = 0.90$ ). In 2015, there was no interaction ( $P = 0.2$ ), but the main effects of growth stage ( $P < 0.001$ ) and species ( $P = 0.06$ ) were (marginally) significant ( $R^2_c = 0.81$ ). In 2014,  $y = -0.46 - 0.10x$  for cereal rye,  $y = -2.06 + 0.14x$  for triticale, and  $y = -0.70 + 0.05x$  for wheat. In 2015,  $y = -1.31 + 0.06x$  for cereal rye and  $y = 0.21 + 0.06x$  for triticale.