

ENZYMATIC PREPARATION BIO-FEED PLUS CT IN MIXED CONCENTRATES CONTAINING A LARGE AMOUNT OF CRUDE FIBER FOR FATTENING PIGS

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Summary. Specific exogenous enzymes added to mixed concentrates with a large amount of crude fiber for fattening pigs increased the daily weight gain of pigs and decreased food consumption.

The experiment was carried out on 3-4 month age 43 kg weight pigs divided in to 2 groups (control and experimental), 11 animals each. The pigs of control and experimental groups got the same mixed concentrate consisting of 65 % wheat bran, 10,1 % barley flour, 13 % cotton meal, 8 % sunflower meal and 3,9 % other additives. 1 kg of the fodder contained 9,43 MJ metabolizable energy, 0,83 fodder unit, 17,0 % crude protein and 9,5 % crude fiber.

The enzymatic preparation Bio-feed Plus CT 0,07 % utilizing cell walls and other non-starch polysaccharides - beta glucans, pentosans, pectin substances etc., was added in to the food of the experimental group.

The results showed that the average daily weight gain of the control group pigs was 570 g and food consumption per 1 kg live weight gain - 4,87 kg of the concentrate, that for the pigs of the experimental group - 641 g and 4,20 kg respectively .

Keywords: Enzymatic preparation, fattening pigs, ration composition, fiber, daily weight gain, food consumption.