

TRANSFORMATIONS OF NITROGEN AND PHOSPHORUS IN SOIL PLANTED WITH
WILLOW IRRIGATED WITH WASTEWATER

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The objective of the study was to determine the possibility of using organic soil under willow for wastewater purification of excess nitrates and phosphates, and to estimate the applicability of redox potential for the assessment of transformation of nitrogen compounds in the soil under study. The study showed the suitability of organic soil and willow for wastewater purification under the conditions of the „Hajdów” experimental object. Also, significant relationships were shown between redox potential and nitrogen transformations occurring in soil irrigated with wastewater after 2nd stage of treatment.