SURVEY ON LIVING ENVIRONMENT OF FARMERS IN CENTRAL PLAIN CHINA

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Background and Aims: To describe the farmers’ living environment in investigation area. And to provide information and basis for formulating environmental comprehensive management plans.

Methods: We have chosen 560 farmer households as the subjects of household-spot observation and inquiring survey. The study was implemented by trained observers according to formulated observation outline.

Results: (1) Hygiene conditions: the households surveyed were generally in good hygiene conditions, except 20.9% of them. Less than 20% of households deposited chemical fertilizer, pesticide, farm tools and grains together; about 50% of households discarded their garbage and sewage randomly; 60% kept free-roaming poultry and poultry droppings could be found in 30% of them. (2) Kitchens: 96.4% of households owned separate kitchens. The availability of clean fuel was low, and firewood and coal were still the main cooking fuel, accounting for 60.7% and 40.8%; tightness of kitchen chimney in 24.6% of households were in poor conditions. (3) Drinking water: 66.4% of the households used shallow groundwater in distributed supply, among them 78.4% used manual-operating well and 21.6% open well. There were also some risk factors of drinking water safety, for example, 6.7% of the wells located within 20m away from the toilets and 56.5% of households used water containers. (4) Toilet: the households hardly had sanitary latrines. Although most of toilet had roof-toilet, 46.1% of the toilets were in poor hygiene conditions. (5) Village environment: 81.1% of villagers showed their approval about the living condition, and 18.9% dissatisfied with it; 69.8% of them considered the poor river water did adverse effect on daily life, 56% believed that usage of river water had being influenced and 32.9% believed it might contaminate groundwater.

Conclusion: It was necessary to improve the living environment, such as promoting the use of clean fuel, providing safety drinking water and protect the river pollution.