

## SMALL UNMANNED AIRCRAFT IN AGRICULTURE

**I. M. Mikhailenko**

*Agrophysical Research Institute*

*14 Grazhdansky prospect, St. Petersburg, 195220*

*E-mail: ilya.mihailenko@yandex.ru*

The article deals the main problem of using of unmanned aerial vehicles (UAV) in agriculture. There are two main areas of application of UAV. The first is crop conditions and soil protection monitoring; the second is management of agricultural technologies (precision farming). Among all the tasks of monitoring and control is allocated the problem of crop and soil environment for remote sensing data, because in this task as much as possible using information potential of remote sensing.

**Keywords:** remote sensing data, monitoring systems, precision agriculture, crop condition assessment.