

Original article

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Promising Areas of Application of Unmanned Aircraft Systems in the Forest Complex

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Annotation. The solution of industry problems is possible through the large-scale introduction into practice of new technical solutions based on unmanned aircraft systems. The need for portable unmanned complexes in the industry is estimated at least 3.5 thousand. The use of unmanned aircraft systems of small classes is successful, but it is limited for solving problems on large areas and radii. It is advisable to use medium-sized and large-sized unmanned aircraft systems of aircraft and helicopter types, with large radii, better indicators of area productivity and economic efficiency. Targeted unmanned aircraft systems and services based on them can be successfully used as a qualitative addition to the current forest protection system of the Russian Federation, especially in remote and hard-to-reach territories.

Key words: forest protection, monitoring, unmanned aircraft systems

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