

BIOLOGICAL PRODUCTIVITY AND RAW MATERIAL QUALITY INDICATORS OF MEDICINAL PLANTS UNDER THE CONDITIONS OF ANDIJAN REGION

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ABSTRACT

This article presents a biological analysis of productivity and raw material quality indicators of selected medicinal plants under the conditions of Andijan region. During the research, plant height, number of lateral branches, leaf area, aboveground biomass, dry raw material yield and selected quality indicators were studied. According to the results, the highest dry raw material yield was recorded in peppermint at 2.84 t/ha, followed by lemon balm at 2.36 t/ha, lavender at 1.92 t/ha and pot marigold at 1.48 t/ha. In terms of essential oil content, peppermint and lavender showed high values. The obtained results indicate that the studied medicinal plants are promising in terms of biological adaptability, capacity for vegetative mass accumulation and raw material quality under the conditions of Andijan region

KEYWORDS: *Medicinal Plants, Biological Productivity, Raw Material Quality, Andijan Region, Biomass, Essential Oil, Flavonoids, Vegetative Organs, Lemon Balm, Lavender*