



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agric@tubitak.gov.tr

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Investigation on the Use of Sludge in Plant Propagation

Ulvi TOLAY, Yavuz YAVUZŞEFİK A.İ.B.Ü. Orman Fakültesi- Düzce - TÜRKİYE
Mustafa TOLAY - Naci SÖĞÜT Pakmaya Fabrikası - Düzce - TÜRKİYE Investigation
on the Use of Sludge in Plant Propagation Abstract : The most beneficial and
appropriate method for sludge resulting from food industry waste water treatment is
composting with various kinds of bulking agents. During composting, the organic
material in the sludge is degraded to a humus-like material that makes an excellent
soil conditioner. In this investigation, sludge from yeast manufactured in the Pakmaya-
D.zce Plant was composted with peat moss and corn stalk chips and used as plant
growing media in containers. According to the results obtained from the investigation;
2 parts composted corn stalk chips with sludge + 1 part sandy loam soil and 20 %
agricultural perlite mixture gave the best growth for garden flowers (Tagetes patula
Carolus Linnaeus, Tagetes erecta Carolus Linnaeus, Zinnia elegans Nicolaus Joseph
Jacquin, Malcolmia maritima Carolus Linnaeus).total rains.

Key Words: Sludge, Plant propagation

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