

Sustainable Water Management in Response to 21st Century Pressures

Contact

Name : M.Oktay ÖZELÇİ
Company : Municipality of Malatya
Street : Maski Mudurlugu
Postcode/City : MALATYA
Country : TURKEY
Email : oktayozelci@gmail.com



Headline – Presentation Title (Arial Black, 16pt and 17pt line spacing)

Abstract (Subheader/Title 2, Arial bold, 12 pt and “simple” line spacing)

WASTE SLUDGE USED IN AGRICULTURE WHICH IS SAMPLE OF MALATYA
M.OKTAY ÖZELÇİ
MALATYA
TURKEY

DRYING BIOSOLIDS

When dried under sun biosolids get dry as much as 94-97 % so could be distributed more easily.

WHEN BIOSOLIDS USED

1- The amount of conventional fertilizers used decrease.

2- Biosolids replace conventional fertilizers

3- Improving the soil's ability to retain

4- Applying biosolids to soil

IN BIOSOLIDS

NITROGEN: 1-6 % in dry-weight composition

PHOSPHOROUS : 0,8-6,1 % in dry-weight composition

THE USE OF BIOSOLIDS FOR SOIL IMPROVEMENT

They are used in soils which are poor in nutrients necessary for plant growth, for water holding capacity, in texture and intilation and which have lost its biological activity to be reproductive.

THE USE OF BIOSOLIDS IN PLANTATION AREAS

Biosolid can be used before and after sapling plantation. When biosolids used, saplings don't die.

In plantation of apricot and other fruit saplings biosolid contribute positively.

WHEN USED IN SAPLING PLANTATION

THE USE OF SLUDGE COLLECTED FROM MALATYA WASTEWATER TREATMENT PLANT IN SURROUNDING AREAS OF THE CITY

Biosolid is collected from the plant as 23 % dry-weight composition. The sewage sludge is dried under sun and when it reaches 97 dry-weight composition it is distributed in the field easily as biosolid.

• THE USE OF BIOSOLIDS

HEAVY METAL ANALYSIS IN SEWAGE SLUDGE

THE DOCUMENT NECESSARY FOR THE USE OF SEWAGE SLUDGE, BIOSOLID.

CV

I was born in Malatya 1963. I graduated from Yıldız Technical University Civil Engineering department in 1985. I worked for an Infrastructure company as a site chief for three years in İstanbul after the school. After than i worked for the Government Central Villages Infrastructure Project (water and waste water). From 2000 to now on i have been worked for Municipality of Malatya Waste Water Treatment Plant Project Applying Unit.

I attempted Young Scientists Programme in 2001 in Berlin World Water Congress.

Also I graduated from Anadolu University Management department in 2001.

I am married. I have two daughter and one son.