



# REQUIREMENT OF BIOBED IN TURKEY\*

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# TURKEY



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2nd European Biobed Workshop

# SITUATION

- ❖ Adana province where intensive agriculture is carried out is one of the most important agricultural area in Turkey.
- ❖ Two crops are grown in one season in same field in Adana. For example, wheat+cotton, wheat+corn, wheat+soyabean, vegetables, citrus, etc. Moreover, so many fruits are grown such as apple, pear, cherry, plume, etc.

# SITUATION

- ❖ Pesticide consumption was 36 000 t for Turkey and 4 000 t for Adana in 2006.
- ❖ In Turkey, active ingredient (a.i.) is used between 0.4 to 0.7 a.i. kg per ha.

# SITUATION

- ❖ Number of sprayers are approximately 1 000 000 in Turkey. Power Take-Off (PTO) driven sprayers contain approximately 25% of this value.
- ❖ Number of PTO driven sprayers increased from 165 940 to 241 753 between in 1996 and 2005.

# SITUATION

- ❖ Farmers generally clean their sprayers 2 or 3 times per season in farmyard field or near rivers, ditches in Turkey.
- ❖ Cleaning of sprayers is compulsory by Agriculture Ministry but there is no any regulation about sprayer cleaning procedures in Turkey.

# PROBLEMS

- ❖ Farmers generally clean their sprayers with tap water, carbonated water, chlorine water, soapy water, etc.
- ❖ They do not know proper cleaning procedures of sprayers.

# Objectives

- ❖ It is to construct biobed in Turkey for the first time.
- ❖ It is to minimize pesticide contaminated waste water on environmental pollution in Turkey.



# Objectives

- ❖ It is to guide for authorities, farmers, environmental groups about pesticide contaminated waste water in Turkey.

This project is to be funded by  
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This project was started on July 2007  
and will be finished on July 2009.

# Laboratory



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