



HACETTEPE ÜNİVERSİTESİ
Daha İleriye... En İyiyeye...



Colony Losses in Turkey and The New Structure of Turkish Beekeeping

Dr. Asli Ozkirim

Turkish Beekeeper Associations

Turkey has 81 cities and in 76 of them
Turkish Beekeeping Association was founded
in 2003



All City Beekeepers Associations
are managed by



in ANKARA

- ◆ Since 2003, Turkish Agriculture Administer has given some responsibilities to the Central Turkish Beekeeping Association
- ◆ Every beekeeper who has at least 50 colonies has to register to their city's Beekeeping Assoc.
- ◆ Being a member of a Beekeeping Assoc. Give you some advantages:

Advantages:

- ◆ You can have Insurance automatically for your all colonies especially against to transportation accident in Migratory Beekeeping
- ◆ You can send your honey bee samples to Hacettepe University or Agriculture Administry Apiculture Research Ins. for laboratory analysis (diagnosis diseases or chemical analysis, pollen analysis of honey) (FREE)
- ◆ You can join lots of seminars or education courses organised by City Bekeeping Assoc.
- ◆ You can take loan from the Bank without any risk (T.C. Ziraat Bankası) for developing your apiary
- ◆ When you want to buy Queens for your colonies, its half of the price is paid by government.

When you are a member;



You have an ID card and beekeeper ID number:

TRCity Code+apiary code+member no.

NOW;

- ◆ **Turkish Central Beekeeping Assoc.+Turkish Agriculture Ministry+ Hacettepe University** have worked together since 2003
- ◆ %92 of beekeepers are registered for now
- ◆ All beekeepers have plaques contains barcode number for each colonies
- ◆ Begin to use barcode system gives a big opportunity to follow colonies and honeys from hive to honey jar
- ◆ Our new aim is entegration of the Honey Bee Health Monitoring System to this registration system



- ◆ Major Honey Bee Diseases: AFB, EFB, Varroasis, Nosemosis
- ◆ Pesticides (Imidaclopride??)
- ◆ Starvation
- ◆ Incorrect Application for treatment of Honey bee diseases
- ◆ New pests and pathogens (viral infections and *N. ceranae*)
- ◆ Old queen
- ◆ The quality of comb foundation
- ◆ Climatic changes
- ◆ Colony losses in 2007:8-10%
in 2008: 1.8%
in 2009: 0.7% (up to now)





Thank you for your attention...