

EXTENSION ACTIVITIES IN RELATION
TO PESTICIDE USAGE AMONG
PESTICIDE USERS/farmers &
Applicators/
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Debrezeit

EXTENSION ACTIVITIES IN RELATION TO PESTICIDE USAGE AMONG PESTICIDE USERS/farmers & Applicators/

- The use of pesticides ,as part of integrated pest management ,has become important for the control of crop pests and protection of public and animal health in Ethiopia.
- Pesticide use is growing from time to time and has a major contribution to the development of crop production and protection of public & animal health.

.....EXTENSION ACTIVITIES

- Today a large volume of pesticide is, imported & significant amount is also manufactured in the country as the flower and vegetable production is also growing. There is no any extension activity done about pesticide usage & handling unlike other crop production activities.
- Farmers transport, mix and spray pesticides without the use of appropriate(usually with out) protective equipments .They store pesticides in their houses where their risks may be large because of easy availability to children and closeness to foodstuffs.

.....EXTENSION ACTIVITIES

- Pesticide users specially farmers in the country lack resources, information and training to avoid risky practices. Poor pesticide use practices result in spillage, over spraying, leading to human, animal poisoning & environmental pollution.
- In flower industry few farms maintained good practices and the majority are not in relation to PPE (personal protective equipment) being worn by workers.

.....EXTENSION ACTIVITIES

- In some flower framers pesticides are applied by pesticide applicators without:
 - Goggles & face shields
 - Gloves
 - Overall (in some flower farms cotton overall are used)
 - Respirator masks (some respirators are used with out appropriate cartridge)
 - workers mixing pesticides wearing no PPE

.....EXTENSION ACTIVITIES

- In some of the flower farms even though pesticide applicators are told so many times to use PPE they still do not wear the PPE. With the use of inadequate PPE there are likely to be very serious health issues in a few years for pesticide applicators in the industry and the environment within the country.

.....EXTENSION ACTIVITIES

- In farmers case lack of awareness and lack of access to safety equipment, due to unavailability and high cost, is the bottleneck to protect human & animal health, and the Environment.
- In flower farms unwillingness of the owners of the farms to provide appropriate PPE and the unwillingness of the applicators to wear the PPE due to discomfort is the main problem. 100% duty on PPE also made the price high and unaffordable for farmers and flower farms.

.....EXTENSION ACTIVITIES

- Pesticide use & handling extension activities should be designed & implemented at grass root level.
- Awareness raising for general pesticide users(in pesticide usage & handling) will need to be set up at a relatively large scale to be able to reach subsistence farmers & other pesticide users. This may be done by training Woreda experts & DA'S which in their turn will train farmers.
- Training & awareness creation may be funded by NGO'S,Croplife Ethiopia,Pesticide importers,etc. It may involve both national media (e.g. television & radio)
- PPE should not be taxed like rain coat etc & should be tax free to make available with low & affordable prices to farmers and other users.This needs vital decision from the government.

AMOUNT OF PESTICIDES IMPORTED & MANUFACTURED IN THE COUNTRY FOR COMMERCIAL PURPOSE IN MTS

	2006	2007	2008	2009	2010
HERBICIDES	1821.07	1698.26	1633.36	3098.48	3149.85
INSECTICIDES	1009.10	558.67	1142.90	1001.14	1293.41
HHP	773.45	557.67	197.55	-	-
FUNGICIDES	135.72	143.38	137.38	200.96	353.18
TOTAL	3774.57	2975	3147.89	4316.93	4848.53

AMOUNT OF IMPORTED PESTICIDES FOR FLOWER FARMS IN MTS

	2006	2007	2008	2009	2010
INSECTICIDE /MITICIDES	21.45	47.29	29.73	25.72	7.7
FUNGICIDES	8.05	56.28	31.04	18.86	15.31
HERBICIDES	0.23	15.27	0.24	1.37	1
OTHERS	2.11	4.78	11.89	7.47	1.77
TOTAL	31.84	123.62	72.9	53.42	25.78

AMOUNT OF IMPORTED PESTICIDES FOR COMMERCIAL PURPOSE & FLOWER FARMS IN MTS

	2006	2007	2008	2009	2010
COMMERCIAL	3774.57	2975	3147.89	4316.93	4848.53
FLOWER	31.84	123.62	72.9	53.42	25.78
TOTAL	3806.41	3098.62	3220.79	4370.35	4874.31

PESTICIDES IMPORTED FOR COMMERCIAL PURPOSE IN USE CATEGORY %

	2006	2007	2008	2009	2010
HERBICIDES	48.25	57.04	51.89	71.78	64.96
INSECTICIDES	26.73	18.79	36.30	23.19	26.68
HHP	20.49	18.75	6.28	-	-
FUNGICIDES	3.59	4.81	4.36	4.66	7.28
OTHERS	0.91	0.56	1.17	0.37	1.07

PESTICIDES IMPORTED FOR FLOWER FARM IN USE CATEGORY %

	2006	2007	2008	2009	2010
INSECTICIDES/MITICIDES	67.36	38.76	40.79	48.14	29.88
FUNGICIDES	25.28	46.13	42.59	35.30	59.37
HERBICIDES	0.72	12.52	0.32	2.56	3.88
OTHERS	6.62	2.59	16.30	13.98	6.87