

seeking redress or medical attention after the fact

Health Effects

Studies have documented > increased incidence of miscarriages, stillbirths and delayed pregnancy among women who are agricultural workers and wives of men employed in pesticide mixing and spraying

- **Evidence exists of increased risk** of birth defects from parental exposure to pesticides
- Specific herbicides, such as 2,4-D and 2,4,5-T, disrupt estrogen cycles in women



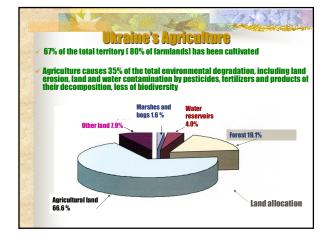
STATIST.



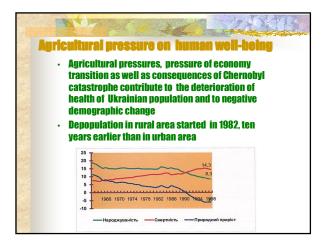
Health Effects

DDT, lindane and a-HCH. cause a breast cancer risk, with evidence that xenohormones can cause damage to DNA. Many studies worldwide have reported the presence of DDT and its metabolites in samples of breast milk and poisoning of new-born Carbonate and organophosphate insecticides caused increasing of birth prematurely and spontaneous abortion rates

reproduction normalizations Other recorded health effects include acute effects such as dizziness, muscular pain, sneezing, itching, skin burns, difficulty breathing, nausea, nail changing color and sore eyes



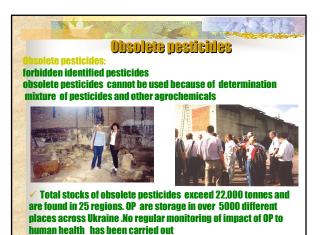






Pesticide Use in Ukraine Past practices • 1986-1989 – period of most intensive application (organochlorines) • Application rate - 3-4 kg/ha of arable land Current practices

- Pesticide production/use dropped significantly in 1990s
- Current application rate 0.7-1 kg/ha of arable land
- 11% of cultivated land is polluted by pesticide residues



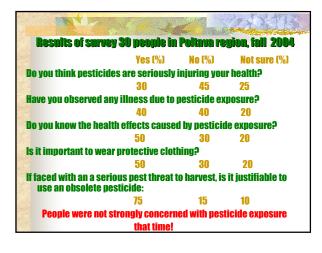


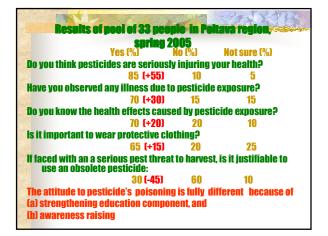














		storaļ	jes in i	Poltava	regia	on (dat	a in I	ng/kg].	
	Distance from storage	4,4`- ДДЕ	4,4`- ДДТ	2,4`-ДДТ	4,4`- ДДД	Sum of metabol ites	α- HCH	Y-HCH	ß-HCH	Sum of HCH
Storage number 1	1m	0,064	0,060	-	0,005	0,129	•	-	-	-
	5 m	0,075	0,084	-	-	0,159			0,018	0,018
	Inside storage	0,046	0,139	-	0,027	0,212	•	0,010	0,046	0,056
Storage number 2	1m	2,512	19,954	29,917	0,395	52,778				
	5 m	1,170	307,190	24,300	4,188	307,190	0,390	0,300	-	0,690
	Inside storage	2,449	94,947	103,620	3,323	207,339	0,074	0,041	•	0,115

















