Annex II

			TER st	TER lt	HQ
depth (cm)	5				
	20		<10	<5	>2
amount deployed (t/ha a	10		10-99	5-49	0.2-2
	100		100-999	50-499	0.02-0.19
percent water in crop	90		≥1000	≥500	<0.02
density (g/cm^3)	1.5				

EXPLANATIONS		measured or extrapolated concentration	PEC calculated based on measured concentration of chemical substances in compost or sewage sudge					maximum residue level	PEC calculated based on maximum residue levels of pesticides on crops (FIV data)				
			Scenario I	Scenario II	Scenario III	Scenario IV	Scenario V		Scenario I	Scenario II	Scenario III	Scenario IV	Scenario V
deployed amount	tons -> kg			100000 kg	100000 kg	10000 kg	10000 kg			100000 kg	100000 kg	10000 kg	10000 kg
volume of treated soil	1 ha x depth (cm)			500000000 cm3	2000000000 cm3	500000000 cm3	2000000000 cm3			500000000 cm3	2000000000 cm3	500000000 cm3	2000000000 cm3
weight of treated soil	volume x density			750000000 g	3000000000 g	750000000 g	3000000000 g			750000000 g	3000000000 g	750000000 g	3000000000 g
		mg/kg dw						mg/kg dw					
Atrazine		3.03		303000 mg	303000 mg	30300 mg	30300 mg	1		100000 mg	100000 mg	10000 mg	10000 mg
			PEC soil	**0.40 mg/kg**	**0.10 mg/kg**	**0.04 mg/kg**	**0.010 mg/kg**		PEC soil	**0.13 mg/kg**	**0.033 mg/kg**	**0.013 mg/kg**	**0.0033 mg/kg**
			PEC area	0.3 kg/ha		0.03 kg/ha			PEC area	0.0001 kg/ha		0.00001 kg/ha	
	LC50 (mg/kg)	NOEC (mg/kg)	TER st / TER lt	TER st / TER lt / HQ	TER st / TER lt	TER st / TER lt / HQ	TER st / TER lt		TER st / TER lt	TER st / TER lt / HQ	TER st / TER lt	TER st / TER lt / HQ	TER st / TER lt
worms *E. fetida*	78 soil		26	193	772	1931	7723		78	585	2340	5850	23400
Eudrilus eugeniae		32	11	79	317	792	3168		32	240	960	2400	9600
collembola *O. apuanicus*	17.2 sand	2.5	6 / 1	43 / 6	170 / 25	426 / 62	1703 / 248		17 / 3	129 / 19	516 / 75	1290 / 188	5160 / 750
mites													
beetles	5 carabid species	2.24 kg/ha		0.14		0.014				0.00004		0.000004	
other invertebrates	microarthropods	2 kg/ha		0.15		0.015				0.00005		0.000005	
Bisphenol A													
	LC50 (mg/kg)	NOEC (mg/kg)											
worms													
collembola													
mites													
beetles													
other invertebrates													
Captan								30		3000000 mg	3000000 mg	300000 mg	300000 mg
			PEC soil						PEC soil	**4 mg/kg**	**1 mg/kg**	**0.4 mg/kg**	**0.1 mg/kg**
			PEC area						PEC area	3 kg/ha		0.3 kg/ha	
	LC50 (mg/kg)	NOEC (mg/kg)							TER st / TER lt	TER st / TER lt / HQ	TER st / TER lt	TER st / TER lt / HQ	TER st / TER lt
worms *Lumbricus terrestris*	237 soil								8	59	237	593	2370
Eisenia fetida	612 soil								20	153	612	1530	6120
collembola													
mites													
beetles													
other invertebrates													
Chlorpyrifos		0.008		800 mg	800 mg	80 mg	80 mg	5		500000 mg	500000 mg	50000 mg	50000 mg
			PEC soil	**0.001 mg/kg**	**0.0003 mg/kg**	**0.0001 mg/kg**	**0.00003 mg/kg**		PEC soil	**0.67 mg/kg**	**0.17 mg/kg**	**0.07 mg/kg**	**0.017 mg/kg**
			PEC area	0.0008 kg/ha		0.00008 kg/ha			PEC area	0.5 kg/ha		0.05 kg/ha	
	LC50 (mg/kg)	NOEC (mg/kg)	TER st / TER lt	TER st / HQ / TER lt	TER st / TER lt	TER st / HQ / TER lt	TER st / TER lt		TER st / TER lt	TER st / HQ / TER lt	TER st / TER lt	TER st / HQ / TER lt	TER st / TER lt
worms *Lumbricus rubellus*	110 soil	4.6 soil	13750 / 575	103125 / 4313	412500 / 17250	1031250 / 43125	4125000 / 172500		22 / 1	165 / 7	660 / 28	1650 / 69	6600 / 276
collembola *Folsomia candida*	0.13 soil	0.05 soil	16 / 6	122 / 47	488 / 188	1219 / 469	4875 / 1875		0.03 / 0.01	0.2 / 0.1	1 / 0.3	2 / 1	8 / 3
mites													
beetles													
other invertebrates *Porcellio scaber*	2 soil leaves		250	1875	7500	18750	75000		0.4	3	12	30	120
Cyprodinil								30		3000000 mg	3000000 mg	300000 mg	300000 mg
			PEC soil						PEC soil	**4 mg/kg**	**1 mg/kg**	**0.4 mg/kg**	**0.1 mg/kg**
			PEC area						PEC area	3 kg/ha		0.3 kg/ha	
	LC50 (mg/kg)	NOEC (mg/kg)							TER st / TER lt	TER st / TER lt / HQ	TER st / TER lt	TER st / TER lt / HQ	TER st / TER lt
worms *E. fetida*	192 soil								6	48	192	480	1920
collembola													
mites													
beetles													
other invertebrates													
Dioxine (OCDD)		0.006		600 mg	600 mg	60 mg	60 mg						
			PEC soil	**0.000800 mg/kg**	**0.0002000 mg/kg**	**0.0000800 mg/kg**	**0.00002000 mg/kg**						
			PEC area	0.000600 kg/ha		0.0000600 kg/ha							
	LC50 (mg/kg)	NOEC (mg/kg)	TER st / TER lt	TER st / TER lt	TER st / TER lt	TER st / TER lt	TER st / TER lt						
worms		5 soil	833	6250	25000	62500	250000						
collembola		10 soil	1667	12500	50000	125000	500000						
mites													
beetles													
other invertebrates													
Folpet								30		3000000 mg	3000000 mg	300000 mg	300000 mg
			PEC soil						PEC soil	**4 mg/kg**	**1 mg/kg**	**0.4 mg/kg**	**0.1 mg/kg**
			PEC area						PEC area	3 kg/ha		0.3 kg/ha	
	LC50 (mg/kg)	NOEC (mg/kg)							TER st / TER lt	TER st / TER lt / HQ	TER st / TER lt	TER st / TER lt / HQ	TER st / TER lt
worms *E. fetida*	339 soil								11	85	339	848	3390
collembola													
mites													
beetles													
other invertebrates													

Iprodione				0.04		4000 mg		4000 mg		400 mg		400 mg		50		5000000 mg		5000000 mg		500000 mg		500000 mg	
					PEC soil	**0.005 mg/kg**		**0.001 mg/kg**		**0.0005 mg/kg**		**0.0001 mg/kg**			PEC soil	**6.667 mg/kg**		**1.6667 mg/kg**		**0.6667 mg/kg**		**0.16667 mg/kg**	
					PEC area	0.004 kg/ha				0.0004 kg/ha					PEC area	5 kg/ha				0.5 kg/ha			
		LC50 (mg/kg)	NOEC (mg/kg)		TER st	TER lt	TER st	TER lt	TER st	TER lt	TER st	TER lt	TER st	TER lt		TER st	TER lt	TER st	TER lt	TER st	TER lt	TER st	TER lt
worms	*E. fetida*	1000 soil			25000		187500		750000		1875000		7500000		20	150		600		1500		6000	
collembola																							
mites																							
beetles																							
other invertebrates																							
Metolachlor														0.5		50000 mg		50000 mg		5000 mg		5000 mg	
	PEC soil, feed														PEC soil	**0.067 mg/kg**		**0.017 mg/kg**		**0.0067 mg/kg**		**0.0017 mg/kg**	
	PEC area														PEC area	0.05 kg/ha				0.005 kg/ha			
		LC50 (mg/kg)	NOEC (mg/kg)													TER st	TER lt	TER st	TER lt	TER st	TER lt	TER st	TER lt
worms	earthworm	140													280	2100		8400		21000		84000	
collembola																							
mites																							
beetles																							
other invertebrates																							
PAH	**acenaphten (B+H)**			0.001		100 mg		100 mg		10 mg		10 mg											
					PEC soil	**0.0001 mg/kg**		**0.00003 mg/kg**		**0.00001 mg/kg**		**0.000003 mg/kg**											
					PEC area	0.00010 kg/ha				0.000010 kg/ha													
		LC50 (mg/kg)	NOEC (mg/kg)			TER st	TER lt	TER st	TER lt	TER st	TER lt	TER st	TER lt										
worms																							
collembola	*Folsomia fimetaria*	107 soil			107000		802500		3210000		8025000		32100000										
mites																							
beetles																							
other invertebrates																							
PAH	**acenaphtylen (B+H)**			0.004		400 mg		400 mg		40 mg		40 mg											
					PEC soil	**0.0005 mg/kg**		**0.0001 mg/kg**		**0.00005 mg/kg**		**0.00001 mg/kg**											
					PEC area	0.0000004 kg/ha				0.00004 kg/ha													
		LC50 (mg/kg)	NOEC (mg/kg)			TER st	TER lt	TER st	TER lt	TER st	TER lt	TER st	TER lt										
worms																							
collembola	*Folsomia fimetaria*	145 soil			36250		271875		1087500		2718750		10875000										
mites																							
beetles																							
other invertebrates																							
PAH	**anthracene (Th. Ku)**			0.0086		860 mg		860 mg		86 mg		86 mg											
					PEC soil	**0.001 mg/kg**		**0.0003 mg/kg**		**0.0001 mg/kg**		**0.00003 mg/kg**											
					PEC area	0.0009 kg/ha				0.00009 kg/ha													
		LC50 (mg/kg)	NOEC (mg/kg)			TER st	TER lt	TER st	TER lt	TER st	TER lt	TER st	TER lt										
worms																							
collembola	*Folsomia fimetaria*	67 soil			7791		58430		233721		584302		2337209										
mites																							
beetles																							
other invertebrates																							
PAH	**anthracene (B+H)**			0.01		1000 mg		1000 mg		100 mg		100 mg											
					PEC soil	**0.001 mg/kg**		**0.0003 mg/kg**		**0.0001 mg/kg**		**0.00003 mg/kg**											
					PEC area	0.0010 kg/ha				0.00010 kg/ha													
		LC50 (mg/kg)	NOEC (mg/kg)			TER st	TER lt	TER st	TER lt	TER st	TER lt	TER st	TER lt										
worms																							
collembola	*Folsomia fimetaria*	67 soil			6700		50250		201000		502500		2010000										
mites																							
beetles																							
other invertebrates																							
PAH	**benz(a)anthracene (B+H)**			0.195		19500 mg		19500 mg		1950 mg		1950 mg											
					PEC soil	**0.03 mg/kg**		**0.007 mg/kg**		**0.003 mg/kg**		**0.0007 mg/kg**											
					PEC area	0.02 kg/ha				0.002 kg/ha													
		LC50 (mg/kg)	NOEC (mg/kg)			TER st	TER lt	TER st	TER lt	TER st	TER lt	TER st	TER lt										
worms																							
collembola	*Folsomia fimetaria*		980 soil		5026		37692		150769		376923		1507692										
mites																							
beetles																							
other invertebrates	*Oniscus asellus*		3 feed		15		115		462		1154		4615										
PAH	**benz(a)anthracene (Th. Ku)**			0.072		7200 mg		7200 mg		720 mg		720 mg											
					PEC soil	**0.01 mg/kg**		**0.002 mg/kg**		**0.0010 mg/kg**		**0.0002 mg/kg**											
					PEC area	0.007 kg/ha				0.0007 kg/ha													
		LC50 (mg/kg)	NOEC (mg/kg)			TER st	TER lt	TER st	TER lt	TER st	TER lt	TER st	TER lt										
worms																							
collembola	*Folsomia fimetaria*		980		13611		102083		408333		1020833		4083333										
mites																							
beetles																							
other invertebrates	*Oniscus asellus*		3 feed		42		313		1250		3125		12500										
PAH	**benzo(b)fluoranthene (B+H)**			0.358		35800 mg		35800 mg		3580 mg		3580 mg											
					PEC soil	**0.05 mg/kg**		**0.01 mg/kg**		**0.005 mg/kg**		**0.0012 mg/kg**											
					PEC area	0.04 kg/ha				0.004 kg/ha													
		LC50 (mg/kg)	NOEC (mg/kg)			TER st	TER lt	TER st	TER lt	TER st	TER lt	TER st	TER lt										
worms																							
collembola	*Folsomia fimetaria*		360 soil		1006		7542		30168		75419		301676										
mites																							
beetles																							
other invertebrates																							

PAH	**benzo(b)fluoranthene (Th. Ku)**			0.095		9500 mg		9500 mg		950 mg		950 mg							
					PEC soil	**0.01 mg/kg**		**0.003 mg/kg**		**0.0013 mg/kg**		**0.0003 mg/kg**							
					PEC area	0.010 kg/ha				0.0010 kg/ha									
		LC50 (mg/kg)	NOEC (mg/kg)			TER st	TER lt	TER st	TER lt	TER st	TER lt	TER st	TER lt						
worms																			
collembola	*Folsomia fimetaria*		360 soil		3789		28421		113684		284211		1136842						
mites																			
beetles																			
other invertebrates																			
PAH	**benzo(k)fluoranthene (B+H)**			0.154		15400 mg		15400 mg		1540 mg		1540 mg							
					PEC soil	**0.02 mg/kg**		**0.005 mg/kg**		**0.002 mg/kg**		**0.0005 mg/kg**							
					PEC area	0.015 kg/ha				0.0015 kg/ha									
		LC50 (mg/kg)	NOEC (mg/kg)			TER st	TER lt	TER st	TER lt	TER st	TER lt	TER st	TER lt						
worms																			
collembola	*Folsomia fimetaria*		560 soil		3636		27273		109091		272727		1090909						
mites																			
beetles																			
other invertebrates																			
PAH	**benzo(k)fluoranthene (Th. Ku)**			0.042		4200 mg		4200 mg		420 mg		420 mg							
					PEC soil	**0.006 mg/kg**		**0.001 mg/kg**		**0.0006 mg/kg**		**0.0001 mg/kg**							
					PEC area	0.004 kg/ha				0.0004 kg/ha									
		LC50 (mg/kg)	NOEC (mg/kg)			TER st	TER lt	TER st	TER lt	TER st	TER lt	TER st	TER lt						
worms																			
collembola	*Folsomia fimetaria*		560 soil		13333		100000		400000		1000000		4000000						
mites																			
beetles																			
other invertebrates																			
PAH	**benzo(a)pyrene (Th. Ku)**			0.063		6300 mg		6300 mg		630 mg		630 mg							
					PEC soil	**0.008 mg/kg**		**0.002 mg/kg**		**0.0008 mg/kg**		**0.0002 mg/kg**							
					PEC area	0.006 kg/ha				0.0006 kg/ha									
		LC50 (mg/kg)	NOEC (mg/kg)			TER st	TER lt	TER st	TER lt	TER st	TER lt	TER st	TER lt						
worms	*Eisenia andrei*		20 soil		317		2381		9524		23810		95238						
collembola	*Folsomia fimetaria*		840 soil		13333		100000		400000		1000000		4000000						
mites																			
beetles																			
other invertebrates	*Porcellio scaber, Oniscus asellus*		10.6 feed		168		1262		5048		12619		50476						
PAH	**benzo(a)pyrene (B+H)**			0.269		26900 mg		26900 mg		2690 mg		2690 mg							
					PEC soil	**0.04 mg/kg**		**0.01 mg/kg**		**0.004 mg/kg**		**0.001 mg/kg**							
					PEC area	0.03 kg/ha				0.003 kg/ha									
		LC50 (mg/kg)	NOEC (mg/kg)			TER st	TER lt	TER st	TER lt	TER st	TER lt	TER st	TER lt						
worms	*Eisenia andrei*		20 soil		74		558		2230		5576		22305						
collembola	*Folsomia fimetaria*		840 soil		3123		23420		93680		234201		936803						
mites																			
beetles																			
other invertebrates	*Porcellio scaber, Oniscus asellus*		10.6 feed		39		296		1182		2955		11822						
PAH	**chrysen (Th. Ku)**			0.089		8900 mg		8900 mg		890 mg		890 mg							
					PEC soil	**0.01 mg/kg**		**0.003 mg/kg**		**0.001 mg/kg**		**0.0003 mg/kg**							
					PEC area	0.009 kg/ha				0.0009 kg/ha									
		LC50 (mg/kg)	NOEC (mg/kg)			TER st	TER lt	TER st	TER lt	TER st	TER lt	TER st	TER lt						
worms	*E. fetida*		1000		11236		84270		337079		842697		3370787						
collembola	*Folsomia fimetaria*		1030 soil		11573		86798		347191		867978		3471910						
mites																			
beetles																			
other invertebrates																			
PAH	**chrysen (B+H)**			0.291		29100 mg		29100 mg		2910 mg		2910 mg							
					PEC soil	**0.04 mg/kg**		**0.01 mg/kg**		**0.004 mg/kg**		**0.001 mg/kg**							
					PEC area	0.03 kg/ha				0.003 kg/ha									
		LC50 (mg/kg)	NOEC (mg/kg)			TER st	TER lt	TER st	TER lt	TER st	TER lt	TER st	TER lt						
worms	*E. fetida*		1000		3436		25773		103093		257732		1030928						
collembola	*Folsomia fimetaria*		1030 soil		3540		26546		106186		265464		1061856						
mites																			
beetles																			
other invertebrates																			
PAH	**dibenz(a,h)anthracene (B+H)**			0.035		3500 mg		3500 mg		350 mg		350 mg							
					PEC soil	**0.005 mg/kg**		**0.0012 mg/kg**		**0.0005 mg/kg**		**0.00012 mg/kg**							
					PEC area	0.004 kg/ha				0.0004 kg/ha									
		LC50 (mg/kg)	NOEC (mg/kg)			TER st	TER lt	TER st	TER lt	TER st	TER lt	TER st	TER lt						
worms																			
collembola	*Folsomia fimetaria*		780 soil		22286		167143		668571		1671429		6685714						
mites																			
beetles																			
other invertebrates																			
PAH	**dibenz(a,h)anthracene (Th. Ku)**			0.0066		660 mg		660 mg		66 mg		66 mg							
					PEC soil	**0.001 mg/kg**		**0.0002 mg/kg**		**0.0001 mg/kg**		**0.00002 mg/kg**							
					PEC area	0.0007 kg/ha				0.00007 kg/ha									
		LC50 (mg/kg)	NOEC (mg/kg)			TER st	TER lt	TER st	TER lt	TER st	TER lt	TER st	TER lt						
worms																			
collembola	*Folsomia fimetaria*		780 soil		118182		886364		3545455		8863636		35454545						
mites																			
beetles																			
other invertebrates																			

PAH	**fluorene (B+H)**			0.006			600 mg		600 mg		60 mg		60 mg												
						PEC soil	**0.0008 mg/kg**		**0.0002 mg/kg**		**0.00008 mg/kg**		**0.00002 mg/kg**												
						PEC area	0.0006 kg/ha				0.00006 kg/ha														
		LC50 (mg/kg)	NOEC (mg/kg)				TER st	TER lt	TER st	TER lt	TER st	TER lt	TER st	TER lt											
worms	*Eisenia veneta*	69 soil	27 soil		11500	4500	86250	33750	345000	135000	862500	337500	3450000	1350000											
collembola	*Folsomia fimetaria*	39 soil	14 soil		6500	2333	48750	17500	195000	70000	487500	175000	1950000	700000											
mites																									
beetles																									
other invertebrates	*O. asellus*		7 feed			1167		8750		35000		87500		350000											
PAH	**fluoranthene (Th. Ku)**			0.148			14800 mg		14800 mg		1480 mg		1480 mg												
						PEC soil	**0.02 mg/kg**		**0.005 mg/kg**		**0.002 mg/kg**		**0.0005 mg/kg**												
						PEC area	0.015 kg/ha				0.0015 kg/ha														
		LC50 (mg/kg)	NOEC (mg/kg)				TER st	TER lt	TER st	TER lt	TER st	TER lt	TER st	TER lt											
worms	*E. veneta*	416 soil	38 soil		2811	257	21081	1926	84324	7703	210811	19257	843243	77027											
collembola	*Folsomia fimetaria*	81 soil	47 soil		547	318	4105	2382	16419	9527	41047	23818	164189	95270											
mites																									
beetles																									
other invertebrates	*Porcellio scaber*		267 feed			1804		13530		54122		135304		541216											
	Oniscus asellus																								
PAH	**fluoranthene (B+H)**			0.357			35700 mg		35700 mg		3570 mg		3570 mg												
						PEC soil	**0.05 mg/kg**		**0.01 mg/kg**		**0.005 mg/kg**		**0.001 mg/kg**												
						PEC area	0.04 kg/ha				0.004 kg/ha														
		LC50 (mg/kg)	NOEC (mg/kg)				TER st	TER lt	TER st	TER lt	TER st	TER lt	TER st	TER lt											
worms	*E. veneta*	416 soil	38 soil		1165	106	8739	798	34958	3193	87395	7983	349580	31933											
collembola	*Folsomia fimetaria*	81 soil	47 soil		227	132	1702	987	6807	3950	17017	9874	68067	39496											
mites																									
beetles																									
other invertebrates	*Porcellio scaber*		267 feed			748		5609		22437		56092		224370											
	Oniscus asellus																								
PAH	**indeno(1,2,3-cd)pyrene (B+H)**			0.21			21000 mg		21000 mg		2100 mg		2100 mg												
						PEC soil	**0.03 mg/kg**		**0.007 mg/kg**		**0.003 mg/kg**		**0.0007 mg/kg**												
						PEC area	0.02 kg/ha				0.002 kg/ha														
		LC50 (mg/kg)	NOEC (mg/kg)				TER st	TER lt	TER st	TER lt	TER st	TER lt	TER st	TER lt											
worms																									
collembola	*Folsomia fimetaria*		910 soil			4333		32500		130000		325000		1300000											
mites																									
beetles																									
other invertebrates																									
PAH	**indeno(1,2,3-cd)pyrene (Th. Ku)**			0.086			8600 mg		8600 mg		860 mg		860 mg												
						PEC soil	**0.01 mg/kg**		**0.003 mg/kg**		**0.001 mg/kg**		**0.0003 mg/kg**												
						PEC area	0.009 kg/ha				0.0009 kg/ha														
		LC50 (mg/kg)	NOEC (mg/kg)				TER st	TER lt	TER st	TER lt	TER st	TER lt	TER st	TER lt											
worms																									
collembola	*Folsomia fimetaria*		910 soil			10581		79360		317442		793605		3174419											
mites																									
beetles																									
other invertebrates																									
PAH	**phenanthrene (Th. Ku)**			0.053			5300 mg		5300 mg		530 mg		530 mg												
						PEC soil	**0.007 mg/kg**		**0.002 mg/kg**		**0.0007 mg/kg**		**0.0002 mg/kg**												
						PEC area	0.005 kg/ha				0.0005 kg/ha														
		LC50 (mg/kg)	NOEC (mg/kg)				TER st	TER lt	TER st	TER lt	TER st	TER lt	TER st	TER lt											
worms	*Eisenia veneta*	134 soil	31 soil		2528	585	18962	4387	75849	17547	189623	43868	758491	175472											
collembola	*Folsomia fimetraia*	30 soil	21 soil		566	396	4245	2972	16981	11887	42453	29717	169811	118868											
mites																									
beetles																									
other invertebrates	*Porcellio scaber*		235 feed			4434		33255		133019		332547		1330189											
	Oniscus asellus																								
PAH	**pyrene (Th. Ku)**			0.107			10700 mg		10700 mg		1070 mg		1070 mg												
						PEC soil	**0.01 mg/kg**		**0.004 mg/kg**		**0.001 mg/kg**		**0.0004 mg/kg**												
						PEC area	0.011 kg/ha				0.0011 kg/ha														
		LC50 (mg/kg)	NOEC (mg/kg)				TER st	TER lt	TER st	TER lt	TER st	TER lt	TER st	TER lt											
worms	*E. veneta*	155 soil	18 soil		1449	168	10864	1262	43458	5047	108645	12617	434579	50467											
collembola	*Folsomia fimetaria*	44 soil	13 soil		411	121	3084	911	12336	3645	30841	9112	123364	36449											
mites																									
beetles																									
other invertebrates																									
PAH	**pyrene (B+H)**			0.283			28300 mg		28300 mg		2830 mg		2830 mg												
						PEC soil	**0.04 mg/kg**		**0.009 mg/kg**		**0.004 mg/kg**		**0.0009 mg/kg**												
						PEC area	0.03 kg/ha				0.003 kg/ha														
		LC50 (mg/kg)	NOEC (mg/kg)				TER st	TER lt	TER st	TER lt	TER st	TER lt	TER st	TER lt											
worms	*E. veneta*	155 soil	18 soil		548	64	4108	477	16431	1908	41078	4770	164311	19081											
collembola	*Folsomia fimetaria*	44 soil	13 soil		155	46	1166	345	4664	1378	11661	3445	46643	13781											
mites																									
beetles																									
other invertebrates																									
PCB	zethner et al. 2000			0.01			1000 mg		1000 mg		100 mg		100 mg												
						PEC soil	**0.001 mg/kg**		**0.0003 mg/kg**		**0.0001 mg/kg**		**0.00003 mg/kg**												
						PEC area	0.0010 kg/ha				0.00010 kg/ha														
		LC50 (mg/kg)	NOEC (mg/kg)				TER st / HQ	TER lt	TER st	TER lt	TER st / HQ	TER lt	TER st	TER lt											
worms	*E. fetida*	3.04 kg/ha					0.0003				0.00003														
collembola																									
mites																									
beetles																									
other invertebrates																									

PCB	berset, holzer			0.03		3000 mg		3000 mg		300 mg		300 mg					
					PEC soil	**0.004 mg/kg**		**0.001 mg/kg**		**0.0004 mg/kg**		**0.0001 mg/kg**					
					PEC area	0.003 kg/ha				0.0003 kg/ha							
		LC50 (mg/kg)	NOEC (mg/kg)			TER st / HQ	TER lt	TER st	TER lt	TER st / HQ	TER lt	TER st	TER lt				
worms	*E. fetida*	3.04 kg/ha				0.001				0.0001							
collembola																	
mites																	
beetles																	
other invertebrates																	
PCB	wagman et al.			0.1		10000 mg		10000 mg		1000 mg		1000 mg					
					PEC soil	**0.01 mg/kg**		**0.003 mg/kg**		**0.001 mg/kg**		**0.0003 mg/kg**					
					PEC area	0.010 kg/ha				0.0010 kg/ha							
		LC50 (mg/kg)	NOEC (mg/kg)			TER st / HQ	TER lt	TER st	TER lt	TER st / HQ	TER lt	TER st	TER lt				
worms	*E. fetida*	3.04 kg/ha				0.003				0.0003							
collembola																	
mites																	
beetles																	
other invertebrates																	
PCB 153	berset, holzer			0.008		800 mg		800 mg		80 mg		80 mg					
					PEC soil	**0.001 mg/kg**		**0.000 mg/kg**		**0.0001 mg/kg**		**0.0000 mg/kg**					
					PEC area	0.001 kg/ha				0.0001 kg/ha							
		LC50 (mg/kg)	NOEC (mg/kg)			TER st / HQ	TER lt	TER st	TER lt	TER st / HQ	TER lt	TER st	TER lt				
worms																	
collembola	*Folsomia candida*		204 soil		25500		191250		765000		1912500		7650000				
mites																	
beetles																	
other invertebrates																	
PCB 153	zethner et al, 2001			0.013		1300 mg		1300 mg		130 mg		130 mg					
					PEC soil	**0.00 mg/kg**		**0.000 mg/kg**		**0.000 mg/kg**		**0.0000 mg/kg**					
					PEC area	0.001 kg/ha				0.0001 kg/ha							
		LC50 (mg/kg)	NOEC (mg/kg)			TER st / HQ	TER lt	TER st	TER lt	TER st / HQ	TER lt	TER st	TER lt				
worms																	
collembola	*Folsomia candida*		204 soil		15692		117692		470769		1176923		4707692				
mites																	
beetles																	
other invertebrates																	
Phthalate	**DEHP**			0.2		20000 mg		20000 mg		2000 mg		2000 mg					
					PEC soil	**0.03 mg/kg**		**0.01 mg/kg**		**0.00 mg/kg**		**0.00 mg/kg**					
					PEC area	0.0 kg/ha				0.0 kg/ha							
		LC50 (mg/kg)	NOEC (mg/kg)			TER st	TER lt / HQ	TER st	TER lt	TER st	TER lt / HQ	TER st	TER lt				
worms	*E. fetida*		2500 kg/ha				0.00001				0.000001						
collembola	*Folsomia fimetaria*		1000 soil		5000		37500		150000		375000		1500000				
mites																	
beetles																	
other invertebrates																	
Phthalate	**DBP**			0.09		9000 mg		9000 mg		900 mg		900 mg					
					PEC soil	**0.01 mg/kg**		**0.003 mg/kg**		**0.001 mg/kg**		**0.0003 mg/kg**					
					PEC area	0.009 kg/ha				0.0009 kg/ha							
		LC50 (mg/kg)	NOEC (mg/kg)			TER st	TER lt	TER st	TER lt	TER st	TER lt	TER st	TER lt				
worms																	
collembola	*Folsomia fimetaria*	19.4 soil	1 soil		216 11	1617	83	6467	333	16167	833	64667	3333				
mites																	
beetles																	
other invertebrates																	
PBDE																	
		LC50 (mg/kg)	NOEC (mg/kg)														
worms																	
collembola																	
mites																	
beetles																	
other invertebrates																	
Procymidone											50	PEC soil	5000000 mg	5000000 mg	500000 mg	500000 mg
												PEC area	**6.7 mg/kg**	**1.7 mg/kg**	**0.67 mg/kg**	**0.17 mg/kg**
													5 kg/ha		0.5 kg/ha	
		LC50 (mg/kg)	NOEC (mg/kg)													
worms																
collembola																
mites																
beetles																
other invertebrates																

Thiabendazol				0.03			3000 mg		3000 mg		300 mg		300 mg		50			5000000 mg		5000000 mg		500000 mg		500000 mg	
					PEC soil		**0.004 mg/kg**		**0.0010 mg/kg**		**0.0004 mg/kg**		**0.00010 mg/kg**			PEC soil		**6.7 mg/kg**		**1.7 mg/kg**		**0.67 mg/kg**		**0.17 mg/kg**	
					PEC area		0.0030 kg/ha				0.00030 kg/ha					PEC area		5 kg/ha				0.5 kg/ha			
		LC50 (mg/kg)	NOEC (mg/kg)				TER st	TER lt / HQ	TER st	TER lt	TER st	TER lt / HQ	TER st	TER lt				TER st	TER lt / HQ	TER st	TER lt	TER st	TER lt / HQ	TER st	TER lt
worms		500 soil	4.2 soil		16667	140	125000	1050	500000	4200	1250000	10500	5000000	42000		10	0.1	75	0.6	300	3	750	6	3000	25
collembola																									
mites																									
beetles																									
other invertebrates	*Aleochara bilineata*		0.9 kg/ha					0.003				0.0003							6				0.6		

Trifluralin				0.156			15600 mg		15600 mg		1560 mg		1560 mg		0.5			50000 mg		50000 mg		5000 mg		5000 mg	
					PEC soil		**0.02 mg/kg**		**0.005 mg/kg**		**0.002 mg/kg**		**0.0005 mg/kg**			PEC soil		**0.07 mg/kg**		**0.017 mg/kg**		**0.007 mg/kg**		**0.0017 mg/kg**	
					PEC area		0.016 kg/ha				0.0016 kg/ha					PEC area		0.05 kg/ha				0.005 kg/ha			
		LC50 (mg/kg)	NOEC (mg/kg)				TER st	TER lt	TER st	TER lt	TER st	TER lt	TER st	TER lt				TER st	TER lt	TER st	TER lt	TER st	TER lt	TER st	TER lt
worms	*E. fetida*	1000 soil			6410		48077		192308		480769		1923077			2000		15000		60000		150000		600000	
collembola																									
mites																									
beetles																									
other invertebrates																									

Vinclozolin				0.2			20000 mg		20000 mg		2000 mg		2000 mg		10			1000000 mg		1000000 mg		100000 mg		100000 mg	
					PEC soil		**0.03 mg/kg**		**0.007 mg/kg**		**0.003 mg/kg**		**0.0007 mg/kg**			PEC soil		**1.3 mg/kg**		**0.3 mg/kg**		**0.13 mg/kg**		**0.03 mg/kg**	
					PEC area		0.02 kg/ha				0.002 kg/ha					PEC area		1 kg/ha				0.1 kg/ha			
		LC50 (mg/kg)	NOEC (mg/kg)				TER st	TER lt	TER st	TER lt	TER st	TER lt	TER st	TER lt				TER st	TER lt	TER st	TER lt	TER st	TER lt	TER st	TER lt
worms	*T. tubifex*	520 mud			2600		19500		78000		195000		780000			52		390		1560		3900		15600	
collembola																									
mites																									
beetles																									
other invertebrates																									