

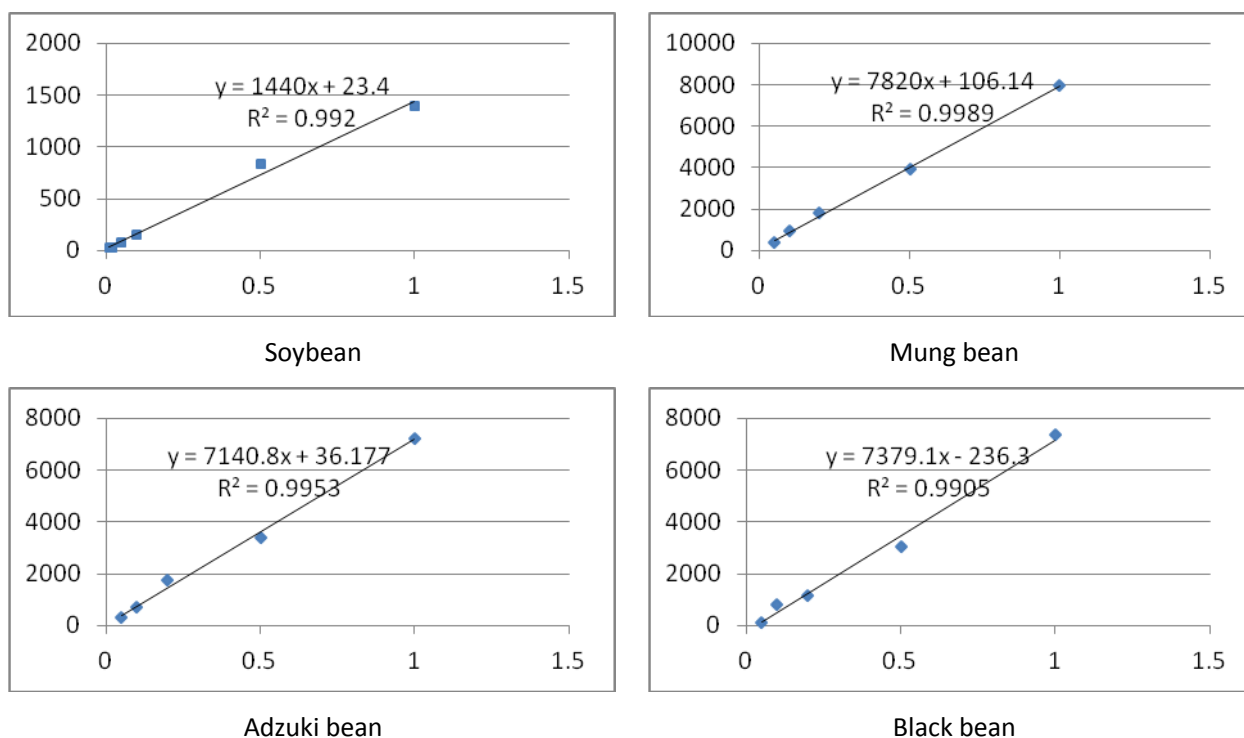


Fig. 1* examples (propoxur) of calibration curve for 4 matrices analyzed

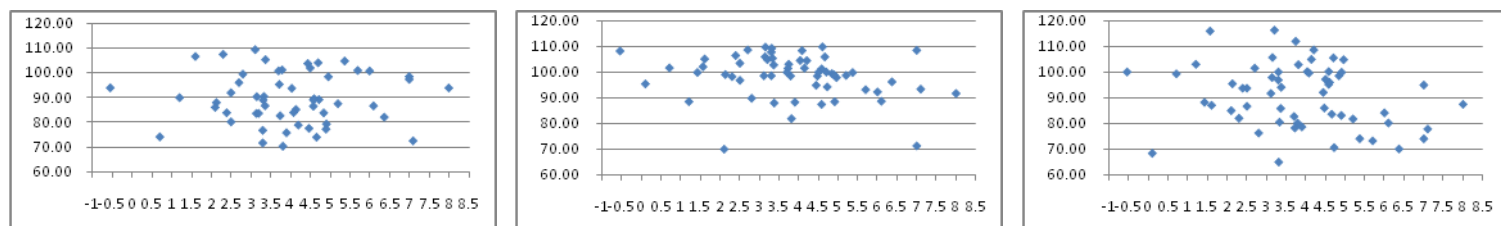


Fig. 2* a. Relation between percent recoveries and $\log P$ in soybean using DPX-Qg

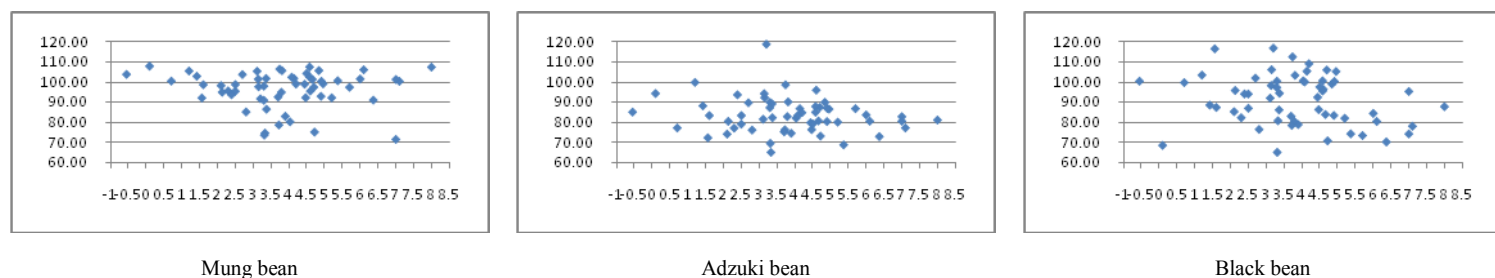


Fig. 2* b. Relation between percent recoveries ^a and $\log P$ in mung bean, adzuki bean, black bean using DPX-Qg at 0.10 mg Kg⁻¹;

^a 61 pesticides (58 reported pesticides with fenoxaprop, thiabendazole and bromoxynil) calculated for this part

Table 1*. Retention time, quantization and identification ions, and validation data ^b

Pesticide	Retention Time (min)	Quantization Ion	Identification Ions	LOQ mg kg ⁻¹	Determination		Spike Level 0.02 mg Kg ⁻¹				Spike Level 0.1mg Kg ⁻¹				Spike Level 0.5mg Kg ⁻¹			
					Coefficient		Recovery (%)		RSD (n=5), (%)		Recovery (%)		RSD (n=5), (%)		Recovery (%)		RSD (n=5), (%)	
					Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
propoxur	7.234	110	110;152;111	0.02	0.9900	0.9989	70.9	119	5.8	11.6	75.3	120	3.9	9.1	71.3	121	2.6	6.8
etridiazole	11.316	183	211;183;140	0.01-0.02	0.9924	0.9966	73.9	90.9	5.1	9.5	82.7	94.5	3.5	5.4	80.0	83.2	3.0	10.0
chlorpropham	14.987	213	213;171;153	0.02	0.9917	0.998	77.6	94.7	2.6	5.5	80.4	97.7	1.8	6.1	78.0	92.3	1.8	4.8
methomyl ^a	15.501	105	105;58;88	0.02	0.9910	0.9980	86.1	119	3.5	7.7	97.4	113	0.3	7.7	72.3	112	2.7	10.7
dimethoate	16.492	125	125;143;229	0.02	0.9910	0.9956	75.1	95.1	3.8	14.5	78.0	101	1.7	16.7	74.4	96.8	0.9	7.2
atrazine	16.854	200	200;215;58	0.02	0.9900	0.9998	75.4	98.7	2.9	5.9	80.6	95.1	1.6	2.1	76.1	91.1	2.0	3.6
clomazone	16.897	204	204;138;205	0.02	0.9900	0.9960	78.6	104	1.7	3.3	85.2	101	1.1	2.2	80.4	95.2	1.9	2.9
propyzamide	17.529	255	173;255;240	0.02	0.9930	0.9960	88.3	114	2.2	3.7	94.4	102	1.1	18.1	89.3	104	1.0	6.8
dicamba ^a	17.529	175	173;175;220	0.02	0.9900	0.9980	77.1	110	2.0	5.7	87.6	108	2.1	2.2	80.6	102	1.1	2.4
metribuzin ^a	17.721	198	198;199;144	0.02	0.9910	0.9990	79.3	101	2.3	4.6	85.1	98.1	1.7	2.8	79.4	90.8	1.5	2.7
diazinon	17.846	304	137;179;304	0.02	0.9900	0.9970	86.7	104	2.1	3.7	93.1	103	1.9	2.5	87.4	99.7	1.6	3.5
acetochlor ^a	19.489	146	146;162;223	0.02	0.9900	0.9980	81.1	113	0.8	6.6	85.0	115	0.8	11.4	85.0	107	1.7	3.2
propargite	20.076	135	135;81;57	0.02	0.9930	0.9943	85.3	94.2	2.9	3.7	75.4	83.6	1.3	2.1	72.1	98.3	1.5	3.4
pirimiphos-methyl	20.711	290	290;276;305	0.02	0.9900	0.9990	80.7	105	1.1	2.8	86.8	103	1.5	1.8	81.4	97.1	1.1	2.0
ethofumesate	20.745	207	207;161;286	0.02	0.9900	0.9990	84.7	110	0.6	3.2	92.0	108	0.5	1.8	85.3	103	1.3	2.9
fenthion	21.335	278	278;169;153	0.02	0.9910	0.9990	86.9	112	0.9	3.9	91.3	111	0.5	3.5	87.7	103	1.2	2.3
chlorpyrifos	21.408	314	314;258;286	0.02	0.9910	0.9950	89.1	108	0.7	13.3	89.5	113	0.9	2.5	83.7	110	1.4	10.3
triadimefon	21.541	208	208;210;181	0.01-0.02	0.9910	0.9953	78.1	111	2.3	3.2	83.4	106	0.9	4.2	78.1	109	1.5	3.7
flurochloridone	21.933	187	187;311;313	0.01-0.02	0.9921	0.9992	93.0	114	3.5	11.7	70.1	101	1.6	3.2	83.0	105	3.7	11.9
cyprodinil	22.359	224	224;225;210	0.02	0.9920	0.9990	71.3	86.9	1.7	5.2	76.0	77.4	0.9	1.6	70.8	78.9	1.6	2.6
pendimethalin	22.600	252	252;220;162	0.02	0.9900	0.9970	76.5	91.2	1.7	3.1	78.1	94.4	1.5	2.6	77.3	88.0	1.3	3.5

metazachlor	22.529	209	209;133;211	0.02	0.9910	0.9996	77.9	95.3	0.2	3.2	81.6	97.7	0.3	3.0	78.4	99.5	0.8	6.7
allethrin ^a	22.998	81	123;79;81	0.01-0.02	0.9910	0.9957	82.0	113	3.2	4.0	88.1	113	0.6	2.1	83.4	101	0.5	2.2
chlorfenvinphos	22.955	267	267;323;269	0.02	0.9920	0.9990	77.9	116	2.0	2.5	79.9	105	0.5	4.8	77.8	98.7	1.1	5.4
phenoxylacetic acid ^a	22.995	153	107;153;94	0.01-0.02	0.9900	0.9956	84.5	110	1.3	3.5	89.3	106	0.3	3.2	86.1	97.2	1.3	3.5
s-bioallethrin ^a	22.998	136	123;107;136	0.01-0.02	0.9930	0.9955	81.9	120	1.3	2.7	88.0	121	0.2	1.7	83.0	92.9	1.7	2.3
procymidone	23.272	283	96;283;285	0.02	0.9940	0.9973	86.2	102	1.3	11.2	92.3	99.5	1.2	10.7	87.2	97.9	3.3	11.3
paclobutrazol ^a	23.741	236	236;238;167	0.02	0.9921	0.9960	117	119	1.7	2.9	119	120	2.1	2.1	118	119	1.4	2.4
haloxyfop-R-methyl ^a	23.736	288	288;316;375	0.01-0.02	0.9910	0.9990	84.6	95.5	0.3	2.9	82.3	94.5	0.3	1.7	82.6	95.2	1.6	5.9
cartap hydrochloride ^a	24.091	147	147;104;71	0.01-0.02	0.9940	0.9970	80.4	93.0	2.1	2.5	87.3	93.1	0.6	2.0	79.9	97.2	1.7	3.7
butachlor	24.094	176	176;160;188	0.02	0.9910	0.9988	81.3	99.1	2.1	6.6	87.6	102	0.8	1.7	81.4	97.7	1.6	6.5
flutriafol	24.196	164	219;164;201	0.02	0.9670	0.9973	90.4	93.3	3.1	4.7	73.1	95.9	2.9	6.9	76.2	91.0	1.5	2.7
napropamide	24.381	128	128;271;171	0.02	0.9930	0.9980	83.0	96.6	1.7	3.5	89.0	95.4	1.6	2.3	83.2	97.9	2.1	3.0
profenofos	24.724	339	339;374;297	0.02	0.9900	0.9996	77.2	97.5	2.1	9.4	81.6	98.7	0.7	6.0	75.4	95.8	0.8	3.5
pretilachlor	24.840	238	162;238;262	0.02	0.9900	0.9984	78.9	105	1.1	3.3	85.0	104	0.4	1.3	80.0	102	1.3	4.0
uniconazole-1 ^a	24.855	234	234;236;131	0.01-0.02	0.9910	0.9990	71.5	101	2.0	5.7	70.2	108	2.0	8.2	70.8	102	2.3	4.3
uniconazole-2 ^a	25.281	234	234;236;131	0.01-0.02	0.9920	0.9990	91.2	119	1.3	2.6	94.0	112	1.4	4.4	91.9	107	1.5	2.4
oxadiazon	25.052	175	175;258;302	0.02	0.9940	0.9990	83.9	104	0.3	4.4	88.1	104	0.4	2.2	82.6	100	1.9	4.4
flusilazole	25.276	233	233;206;315	0.02	0.9910	0.9992	97.6	115	1.6	7.0	104	111	0.2	1.5	98.8	116	1.8	1.8
oxyfluorfen ^a	25.293	252	252;361;300	0.02	0.9900	0.9956	72.9	87.7	3.2	7.6	77.6	89.3	0.5	3.9	73.0	90.8	2.8	4.6
RH-5849 ^a	26.986	105	105;240;77	0.02	0.9910	0.9970	92.2	109	1.6	2.8	98.8	110	1.0	2.0	93.0	111	0.1	2.5
propiconazole-1	27.565	173	173;259;261	0.01-0.02	0.9900	0.9930	71.1	78.4	1.0	6.2	69.6	78.3	0.9	1.6	69.1	77.5	1.1	1.3
propiconazole-2	27.793	173	173;259;261	0.01-0.02	0.9900	0.9940	71.2	75.1	1.4	3.4	69.7	76.1	0.5	5.1	69.1	74.5	1.7	4.1
hexazinone ^a	28.096	171	171;128;252	0.02	0.9930	0.9993	97.4	118	3.1	8.7	104	114	2.5	7.8	102	113	2.4	6.5
tebuconazole	28.206	250	250;163;252	0.02	0.9910	0.9980	71.5	93.4	0.2	2.4	76.8	91.5	0.7	0.8	72.4	85.7	1.1	1.9
diclofop-methyl	28.341	253	253;281;342	0.02	0.9940	0.9990	84.5	114	1.6	4.8	90.5	110	1.4	3.7	86.1	108	1.9	4.4
diflufenican	28.476	266	266;394;267	0.02	0.9900	0.9970	76.7	93.9	0.7	2.7	82.0	92.9	1.0	2.1	77.4	92.3	1.8	4.6

epoxiconazole	28.813	192	192;183;138	0.02	0.9910	0.9995	72.0	77.6	2.8	4.7	71.7	79.7	0.8	3.8	70.4	77.9	0.2	8.6
tetramethrin	29.666	164	164;135;232	0.01-0.02	0.9941	0.9984	94.2	94.2	2.1	2.1	96.1	96.1	1.9	1.9	90.6	90.6	1.6	1.6
tricyclazole	30.129	189	189;162;161	0.05-0.1	0.9910	0.9992	102	102	10.5	10.5	106	106	4.2	4.2	104	104	3.2	3.2
bifenox	30.159	341	341;189;310	0.02	0.9910	0.9942	75.6	102	2.6	18.9	80.2	108	1.7	5.4	76.6	108	2.4	11.0
anilofos	30.206	226	226;184;334	0.02	0.9940	0.9970	85.2	106	2.5	5.1	90.4	109	0.4	2.8	87.2	113	4.3	5.9
pyriproxyfen	30.895	136	136;78;96	0.02	0.9910	0.9950	72.3	100	0.3	4.0	73.3	101	1.6	4.9	70.4	101	1.5	7.6
cyhalofop-butyl	31.083	256	256;357;229	0.02	0.9900	0.9950	70.7	73.4	2.6	6.9	69.9	75.9	1.6	4.7	69.3	71.5	1.9	8.0
lambda-cyhalothrin-1	31.111	181	181;197;141;208	0.02	0.9910	0.9960	72.5	92.8	1.5	9.3	70.7	102	0.3	3.5	75.3	94.0	3.8	12.5
lanbda-cyhalothrin-2	31.420	181	181;197;208;141	0.02	0.9900	0.9940	76.5	111	2.2	3.8	80.5	109	0.7	5.8	80.1	114	1.7	8.8
tralkoxydim	31.171	137	137;57;109	0.01-0.02	0.9940	0.9990	70.0	97.1	0.6	6.6	75.5	98.7	0.6	3.3	70.2	93.7	0.8	1.9
permethrin-1	32.458	183	183;184;255	0.02	0.9940	0.9960	76.2	110	1.7	3.1	78.3	107	2.0	3.8	77.2	111	2.0	6.5
permethrin-2	32.644	183	183;184;255	0.02	0.9910	0.9970	73.0	102	1.1	4.2	75.4	103	2.3	3.4	73.3	105	1.0	6.6
bifenthrin-1 ^a	32.457	181	181;166;141	0.05-0.1	0.9930	0.9990	77.7	104	1.0	10.5	79.0	96.7	6.4	10.4	78.0	109	5.9	11.3
bifenthrin-2 ^a	32.639	181	181;166;141	0.05-0.1	0.9910	0.9930	69.2	102	1.6	4.0	71.2	95.3	5.1	6.1	75.4	99.8	3.3	6.3
pyridaben	32.620	147	147;117;364	0.02	0.9900	0.9930	69.0	89.7	1.1	1.1	69.9	91.0	1.4	3.6	70.6	90.6	2.3	4.5
quinalofop-P	33.903	372	299;372;163	0.02	0.9940	0.9960	78.1	102	1.2	4.0	80.8	102	2.2	4.1	78.6	102	1.3	5.4
tpp	28.437	326	326;325	0.02	0.9900	0.9989	70.9	119	6.0	12.0	75.3	120	4.0	9.0	71.3	121	3.0	7.0

Table 2*. Calibration data (equation, determination coefficient), MRLs and mean percent recovery $\pm$ RSD of 58 pesticides in soybean

Pesticide	Equation	Determination Coefficient	MRLs ^a (mg kg ⁻¹) soybean	LOQ mg kg ⁻¹	Spike level 0.02 mg Kg ⁻¹		Spike level 0.10 mg Kg ⁻¹		Spike level 0.50 mg Kg ⁻¹		Reproducibility (n=9) (RSD, %)		
					Recovery (%)	Intraday Precision(n=5) (RSD, %)	Recovery (%)	Intraday Precision(n=5) (RSD, %)	Recovery (%)	Intraday Precision(n=5) (RSD, %)	0.02	0.10	0.50
propoxur	Y=1.44*10 ³ X-2.34*10	0.9992	0.05	0.05	ND	ND	92.9	7.7	102	3.9	ND	24.9	9.2
etridiazole	Y=7.55*10 ⁴ X-3.13*10 ²	0.9996	0.05	0.02	105	10.8	88.9	14.5	88.0	14.5	9.7	14.7	19.8
chlorpropham	Y=2.14*10 ³ X-1.95*10	0.9944	0.1	0.02	101	8.5	110	7.4	98.5	6.2	21.9	9.5	15.3
methomyl	Y=3.77*10 ² X+1.11	0.9978	0.2	0.05	ND	ND	83.5	7.1	95.4	4.6	ND	14.2	19.5
dimethoate	Y=3.04*10 ³ X-3.44*10	0.9937	2.0	0.02	74.0	3.1	87.2	8.0	102	5.2	ND	3.4	6.9
atrazine	Y=5.25*10 ³ X+1.15*10	0.9988	0.2	0.02	80.1	19.3	103	4.6	96.8	7.6	24.5	22.2	6.2
clomazone	Y=9.14*10 ³ X+9.07*10	0.9975	0.05	0.02	92.0	4.3	105	1.3	103	3.6	10.5	3.1	5.9
propyzamide	Y=2.67*10 ³ X+1.10*10	0.9984	0.05	0.01	90.4	8.2	107	5.6	110	4.0	12.3	7.4	7.2
dicamba	Y=8.25*10 ³ X+7.00*10	0.9990	0.1	0.01	94.0	8.2	103	6.5	108	4.0	14.1	6.9	6.5
metribuzin	Y=1.59*10 ⁴ X-1.20*10 ²	0.9988	0.3	0.02	107	8.7	74.0	5.5	105	2.8	25.7	13.6	9.7
diazinon	Y=1.22*10 ³ X-2.48*10	0.9997	0.5	0.02	71.5	5.8	93.9	2.4	98.6	7.8	10.1	2.7	9.2
acetochlor	Y=3.95*10 ³ X+2.47*10	0.9978	1.0	0.02	85.2	7.4	107	1.4	102	3.9	7.8	3.0	6.0
propargite	Y=1.42*10 ³ X+2.41*10 ²	0.9982	0.2	0.02	101	7.2	97.6	6.8	93.2	6.2	13.3	9.0	11.9
pirimiphos-methyl	Y=4.34*10 ³ X+7.26	0.9993	8.0	0.02	78.8	6.2	96.3	2.3	104	3.3	19.9	6.6	5.4

ethofumesate	$Y=7.20*10^3X+7.92*10$	0.9962	0.1	0.02	96.1	8.7	110	3.0	109	4.5	11.6	7.4	10.4
fenthion	$Y=6.31*10^3X-7.82*10$	0.9989	0.1	0.02	83.8	6.7	89.5	4.4	99.4	6.7	14.5	6.8	10.9
chlorpyrifos	$Y=1.83*10^3X-3.35$	0.9994	0.05	0.02	104	4.9	89.9	1.7	100	3.4	10.2	5.8	13.3
triadimefon	$Y=3.54*10^3X+3.69*10$	0.9960	0.2	0.02	110	4.3	100	6.1	98.6	7.6	14.2	8.4	10.1
flurochloridone	$Y=1.06*10^3X-2.75$	0.9995	0.1	0.02	86.7	11.6	89.1	5.0	103	2.9	20.6	14.8	13.6
cyprodinil	$Y=1.17*10^4X-5.27*10$	0.9986	0.6	0.02	75.7	8.5	77.3	2.6	88.3	2.3	18.0	3.4	10.2
pendimethalin	$Y=1.32*10^3X-8.67*10$	0.9980	0.1	0.02	87.5	7.5	89.2	4.4	98.7	6.8	16.2	4.4	7.5
metazachlor	$Y=2.75*10^3X+1.70*10^2$	0.9923	0.1	0.02	88.0	7.7	104	3.4	99.1	5.3	19.5	5.7	5.9
allethrin	$Y=9.10*10^3X+1.06*10^2$	0.9928	-	0.02	98.5	12.8	99.3	4.4	97.9	6.0	10.2	4.8	6.4
chlorfenvinphos	$Y=5.71*10^3X+3.38$	0.9983	0.02	0.01	93.8	11.5	108	8.0	105	3.4	13.4	11.3	8.6
phenoxyacetic acid	$Y=1.31*10^3X+2.26*10$	0.9985	-	0.02	76.8	13.5	101	4.5	103	5.0	14.9	10.2	15.0
S-bioallethrin	$Y=9.24*10^3X+1.28*10$	0.9998	-	0.02	85.4	12.2	95.9	2.8	106	5.3	12.4	8.8	22.3
procymidone	$Y=4.11*10^3X+5.24*10$	0.9949	0.05	0.02	83.6	7.5	102	6.3	106	5.0	11.3	9.5	7.8
paclobutrazol	$Y=1.88*10^3X+6.97*10$	0.9976	0.02	0.02	83.6	4.7	91.9	6.6	105	1.7	5.2	6.0	12.1
haloxyfop-R-methyl	$Y=1.09*10^4X+1.55*10^2$	0.9970	0.5	0.02	76.6	12.4	106	2.6	87.5	6.4	15.6	9.4	11.4
cartap hydrochloride	$Y=1.15*10^3X+9.33$	0.9962	-	0.02	73.8	12.6	103	1.1	102	4.2	19.3	10.7	12.8
butachlor	$Y=7.25*10^3X+8.10*10$	0.9978	-	0.02	75.9	12.1	99.8	1.8	103	4.3	16.7	5.7	10.1
flutriafol	$Y=4.57*10^3X-4.09*10$	0.9945	0.35	0.02	108	3.4	96.9	7.3	98.2	5.9	25.1	8.1	7.0
napropamide	$Y=5.30*10^3X+2.69*10$	0.9974	0.05	0.02	76.7	9.5	105	1.6	108	3.8	15.4	8.4	10.1
profenofos	$Y=1.07*10^3X-1.41$	0.9968	0.05	0.02	104	13.6	104	8.7	94.9	4.8	26.3	21.7	16.9

pretilachlor	$Y=3.13 \cdot 10^3 X + 3.61 \cdot 10$	0.9938	-	0.02	83.9	9.0	105	2.6	108	2.3	10.9	3.7	5.7
uniconazole-1	$Y=6.40 \cdot 10^3 X - 5.50 \cdot 10$	0.9989	-	0.02	99.0	9.0	87.4	14.9	99.1	3.0	22.2	14.7	10.1
uniconazole-2	$Y=2.28 \cdot 10^3 X - 8.98$	0.9974	-	0.02	94.5	4.5	108	2.9	103	4.8	9.6	26.7	7.9
oxadiazon	$Y=3.16 \cdot 10^3 X + 6.81 \cdot 10$	0.9924	0.05	0.02	79.2	10.3	116	3.5	88.5	14.2	13.3	6.9	11.8
flusilazole	$Y=1.19 \cdot 10^4 X + 5.00 \cdot 10$	0.9995	0.04	0.02	82.6	4.6	97.1	2.7	103	4.6	7.2	27.5	9.4
oxyfluorfen	$Y=2.15 \cdot 10^3 X + 9.99$	0.9956	0.05	0.02	77.5	10.7	100	6.1	98.5	11.6	27.0	12.2	10.4
RH-5849	$Y=2.69 \cdot 10^4 X - 6.11 \cdot 10$	0.9993	-	0.02	104	4.0	101	2.5	105	9.1	15.6	4.2	10.3
propiconazole-1	$Y=1.27 \cdot 10^3 X + 1.13 \cdot 10$	0.9964	2.0	0.02	95.4	1.1	105	4.1	101	3.3	17.1	17.1	15.2
propiconazole-2	$Y=1.78 \cdot 10^3 X + 1.35 \cdot 10$	0.9962	2.0	0.02	89.2	7.5	100	4.5	94.3	2.9	17.5	15.3	14.1
hexazinone	$Y=8.38 \cdot 10^3 X - 8.72 \cdot 10$	0.9975	-	0.02	90.0	6.7	94.7	8.6	88.5	6.1	5.3	10.2	26.1
tebuconazole	$Y=2.38 \cdot 10^3 X + 3.35 \cdot 10^{-1}$	0.9937	0.08	0.02	101	8.2	100	2.8	99.9	6.9	13.1	9.0	7.0
diclofop-methyl	$Y=3.00 \cdot 10^3 X + 2.49 \cdot 10$	0.9945	0.1	0.02	86.5	7.5	102	2.4	101	3.9	19.1	13.3	13.1
diflufenican	$Y=1.25 \cdot 10^4 X + 6.50 \cdot 10$	0.9984	0.05	0.02	77.2	11.3	88.8	1.5	98.9	2.1	14.2	4.6	8.3
epoxiconazole	$Y=5.40 \cdot 10^3 X - 1.82 \cdot 10$	0.9972	0.05	0.02	90.5	2.8	101	4.1	105	3.4	9.2	14.4	14.0
tetramethrin	$Y=1.10 \cdot 10^4 X - 2.09 \cdot 10^2$	0.9993	-	0.02	89.5	8.9	96.3	2.5	110	6.7	18.5	25.0	15.3
tricyclazole	$Y=3.63 \cdot 10^2 X + 8.47$	0.9919	0.05	0.05	ND	ND	88.4	11.1	99.9	15.0	ND	10.1	11.4
bifenox	$Y=3.35 \cdot 10^2 X - 5.76$	0.9993	0.05	0.02	102	10.0	91.9	9.0	99.9	2.5	19.3	13.1	6.4
anilofos	$Y=1.36 \cdot 10^2 X - 4.66$	0.9931	-	0.02	70.2	11.3	80.9	13.5	81.9	8.6	16.0	19.6	16.7
pyriproxyfen	$Y=1.53 \cdot 10^4 X + 6.06 \cdot 10^2$	0.9936	0.2	0.02	105	5.1	90.8	4.3	99.8	2.2	21.4	6.6	17.0
cyhalofop-butyl	$Y=3.00 \cdot 10^3 X + 1.65 \cdot 10$	0.9941	0.03	0.02	89.0	9.8	111	3.8	109	2.9	19.3	14.9	12.7

lambda-cyhalothrin-1	$Y=3.23 \cdot 10^3 X + 6.78$	0.9971	0.01	0.01	98.6	5.9	93.2	3.3	108	6.6	25.3	14.4	12.0
lambda-cyhalothrin-2	$Y=5.82 \cdot 10^3 X - 2.53 \cdot 10$	0.9986	0.01	0.01	94.0	13.6	108	6.3	91.7	6.1	28.7	7.1	16.5
tralkoxydim	$Y=9.87 \cdot 10^3 X - 2.81 \cdot 10$	0.9980	0.02	0.02	86.0	11.7	72.2	7.3	70.0	2.7	29.4	20.3	16.7
permethrin-1	$Y=4.83 \cdot 10^3 X + 5.83 \cdot 10$	0.9956	0.05	0.02	86.6	10.4	89.4	3.2	88.7	1.7	19.1	4.1	5.9
permethrin-2	$Y=5.94 \cdot 10^3 X + 7.69 \cdot 10$	0.9949	0.05	0.02	72.4	12.7	90.0	4.4	93.4	3.0	21.3	3.7	6.7
bifenthrin-1	$Y=2.30 \cdot 10^2 X + 1.26 \cdot 10$	0.9994	0.3	0.05	101	ND	109	3.3	92.3	1.2	ND	14.7	12.2
bifenthrin-2	$Y=3.03 \cdot 10^2 X - 3.08$	0.9976	0.3	0.05	97.5	ND	93.7	2.5	71.3	3.3	ND	27.2	6.9
pyridaben	$Y=1.35 \cdot 10^4 X + 6.97 \cdot 10$	0.9970	0.05	0.02	82.0	6.9	98.9	3.1	96.2	4.5	13.8	3.9	9.2
quizalofop-P	$Y=2.36 \cdot 10^3 X - 3.28 \cdot 10$	0.9960	0.1	0.02	73.9	13.6	102	8.0	106	4.3	22.4	14.7	23.2

^a MRL data from: http://www.codexalimentarius.net/mrls/pestdes/jsp/pest_q-c.jsp ; US Code of Federal Regulations - Title 40, Part 180; EU pesticides database, http://ec.europa.eu/sanco_pesticides/public/index.cfm