

Table 3. Residues of etoxazole in strawberry fruits and products as affected by processing stages

Treatments	Initial*	Days after treatment			
		1	3	7	14
Unwashed strawberry fruits					
mean ± SD(mg/kg)	0.36 ±0.019	0.26 ±0.012	0.15 ±0.005	0.09 ±0.006	0.02±0.0005
% loss	0.0	27.78	58.33	75.0	94.44
Washed strawberry fruits)					
mean ± SD(mg/kg)	0.192±0.021	0.15±0.01	0.1±0.008	0.07±0.002	0.017±0.0001
% loss by washing	46.67	42.3	33.33	22.22	15.0
Strawberry juice					
mean ± SD (mg/ml)			0.03±0.0045	0.02 ±0.009	
			88.46	86.67	
strawberry cold syrup					
mean ± SD (mg/ml)			0.08±0.006	0.03±0.0003	
			69.23	80.	
strawberry hot syrup					
mean ± SD(mg/ml)			0.06±0.009	0.01±0.0009	
			76.92	93.33	
strawberry Jam					
mean SD (mg/kg)			0.158±0.006	0.117± 0.0008	
T _{1/2} h	96				
Rate of degradation	4.56× 10 ⁻⁷				
MRLs	0.2				

MRLs, maximum residue levels (mg/kg), * Initial = 1 hour post treatment

Table 4. Changes in physical and chemical characteristics of strawberry products treated with imidacloprid, diniconazole and etoxazole after 7 days of spray time

	TSS(BX)	Reducing Sugars (g/100ml)	Total acidity (citric)	Ascorbic acid (g/100ml)	PH value	Crude protein (g/100ml)
Juice						
control	7 ±0.76	4.25 ±0.21	0.72 ±0.35	50.4 ±0.35	3.21 ±0.11	0.25 ±0.03
Imidacloprid ± S.D	7.5 ± 0.66	4.13 ±0.60	0.79 ±0.48	60.0 ±0.61	3.21 ±0.15	0.24 ±0.02
Diniconazole ± S.D	7.1 ±0.98	4.25 ±0.42	0.74 ±0.50	61.0 ±0.48	3.24 ±0.21	0.24 ±0.03
Etoxazole	7.05 ±0.41	4.00 ±0.41	0.62 ±0.42	58.0 ±0.60	3.16 ±0.26	0.26 ±0.04
syrup cold						
Control ± S.D	60 ±0.53	15.50 ±0.38	1.41 ±0.53	42.7 ±0.41	3.3 ±0.10	0.29 ±0.02
Imidacloprid ± S.D	60 ±0.93	11.63 ±0.23	1.22 ±0.43	33.65 ±0.53	3.3 ±0.32	0.29 ±0.04
Diniconazole ± S.D	60 ±0.60	11.42 ±0.71	1.33 ±0.47	33.43 ±0.25	3.3 ±0.16	0.27 ±0.02
Etoxazole ± S.D	60 ±0.82	10.55 ±0.33	1.2 ±0.53	34.21 ±0.13	3.3 ±0.12	0.26 ±0.02
syrup hot						
Control ± S.D	60 ±0.59	45.90 ±0.28	1.45 ±0.40	17.20 ±0.10	3.3 ±0.15	0.36 ±0.18
Imidacloprid ± S.D	60 ±0.87	46.51 ±0.32	1.3 ±0.25	11.65 ±0.15	3.34 ±0.38	0.31 ±0.43
Diniconazole ± S.D	60 ±0.95	46.25 ±0.15	1.32 ±0.23	11.42 ±0.12	3.34 ±0.26	0.31 ±0.03
Etoxazole ± S.D	60 ±0.59	45.19 ±0.39	1.28 ±0.56	10.55 ±0.15	3.34 ±0.31	0.36 ±0.01
jam						
control ± S.D	68 ±0.66	54.30 ±0.27	1.51 ±0.86	18.2 ±0.13	3.35 ±0.20	0.57 ±0.02
Imidacloprid ± S.D	68 ±0.15	57.00 ±0.29	1.4 ±0.21	19.23 ±0.17	3.35 ±0.10	0.67 ±0.03
Diniconazole ± S.D	68 ±0.60	52.40 ±0.48	1.51 ±0.17	18.2 ±0.21	3.35 ±0.10	0.94 ±0.02
Etoxazole ± S.D	68 ±0.35	46.7 ±0.47	1.51 ±0.25	17.22 ±0.18	3.35 ±0.16	0.65 ±0.04