

Table S1. The acceptable daily intake (ADI, mg/kg body weight), Chinese dietary pattern, supervised trials median residues (STMR, mg/kg), the corresponding MRLs registered, and risk quotient (RQ, %) of thiacloprid in dry tea when PHIs was 14 days.

Classification	Fi	STMR or MRL (mg/kg)	Source of Residues	NEDI (mg)	ADI (mg/ kg bw)	RQ _c (%)
Rice and its products	0.2399	0.02	China	0.00480		
Flour and its products	0.1385	0.1	China	0.01385		
Other cereals	0.0233					
Tubers	0.0495	0.02	China	0.00099		
Dried beans and their products	0.016					
Vegetable (Darker)	0.0915	0.5	China	0.04575		
Vegetable (Light color)	0.1837	1.0	China	0.18370		
Pickles	0.0103					
Fruits	0.0457	1.0	China	0.04570		
Nuts	0.0039				0.01 × 63	
Livestock	0.0795					
Milk	0.0263					
Egg	0.0236					
Fish	0.0301					
Vegetable oil	0.0327	0.02	China	0.00065		
Animal oil	0.0087					
Sugar, starch	0.0044					
Salt	0.012	0.26	STMR	0.00312		
Soy sauce	0.009					
Total	1.0286			0.29856	0.63	47.4

Table S2. The acceptable daily intake (ADI, mg/kg body weight), Chinese dietary pattern, supervised trials median residues (STMR, mg/kg), the corresponding MRLs registered, and risk quotient (RQ, %) of thiacloprid in dry tea when PHIs was 21 days.

Classification	Fi	STMR or MRL (mg/kg)	Source of Residues	NEDI (mg)	ADI (mg/ kg bw)	RQ _c (%)
Rice and its products	0.2399	0.02	China	0.00480		
Flour and its products	0.1385	0.1	China	0.01385		
Other cereals	0.0233					
Tubers	0.0495	0.02	China	0.00099		
Dried beans and their products	0.016					
Vegetable (Darker)	0.0915	0.5	China	0.04575		
Vegetable (Light color)	0.1837	1.0	China	0.18370		
Pickles	0.0103					
Fruits	0.0457	1.0	China	0.04570		
Nuts	0.0039				0.01 × 63	
Livestock	0.0795					
Milk	0.0263					
Egg	0.0236					
Fish	0.0301					
Vegetable oil	0.0327	0.02	China	0.00065		
Animal oil	0.0087					
Sugar, starch	0.0044					
Salt	0.012	0.17	STMR	0.00204		
Soy sauce	0.009					
Total	1.0286			0.29748	0.63	47.2

Table S3. The acceptable daily intake (ADI, mg/kg body weight), Chinese dietary pattern, supervised trials median residues (STMR, mg/kg), the corresponding MRLs registered, and risk quotient (RQ, %) of tolfeprad in dry tea when PHIs was 14 days.

Classification	Fi	STMR or MRL (mg/kg)	Source of Residues	NEDI (mg)	ADI (mg/ kg bw)	RQ _c (%)
Rice and its products	0.2399					
Flour and its products	0.1385					
Other cereals	0.0233					
Tubers	0.0495					
Dried beans and their products	0.016					
Vegetable (Darker)	0.0915					
Vegetable (Light color)	0.1837	0.5	China	0.09185		
Pickles	0.0103					
Fruits	0.0457					
Nuts	0.0039				0.006 × 63	
Livestock	0.0795					
Milk	0.0263					
Egg	0.0236					
Fish	0.0301					
Vegetable oil	0.0327					
Animal oil	0.0087	0.01	China	0.00087		
Sugar, starch	0.0044					
Salt	0.012	1.34	STMR	0.01608		
Soy sauce	0.009					
Total	1.0286			0.10802	0.378	28.6

Table S4. The acceptable daily intake (ADI, mg/kg body weight), Chinese dietary pattern, supervised trials median residues (STMR, mg/kg), the corresponding MRLs registered, and risk quotient (RQ, %) of tolfeprad in dry tea when PHIs was 21 days.

Classification	Fi	STMR or MRL (mg/kg)	Source of Residues	NEDI (mg)	ADI (mg/ kg bw)	RQ _c (%)
Rice and its products	0.2399					
Flour and its products	0.1385					
Other cereals	0.0233					
Tubers	0.0495					
Dried beans and their products	0.016					
Vegetable (Darker)	0.0915					
Vegetable (Light color)	0.1837	0.5	China	0.09185		
Pickles	0.0103					
Fruits	0.0457					
Nuts	0.0039				0.006 × 63	
Livestock	0.0795					
Milk	0.0263					
Egg	0.0236					
Fish	0.0301					
Vegetable oil	0.0327					
Animal oil	0.0087	0.01	China	0.00087		
Sugar, starch	0.0044					
Salt	0.012	0.31	STMR	0.00372		
Soy sauce	0.009					
Total	1.0286			0.09566	0.378	25.3

Table S5. Acute dietary risk assessment of thiacloprid and tolfenpyrad in tea.

Pesticide	PHI (day)	HR (mg/kg)	ARfD (mg/kg bw)	LP (kg)	NESTI (mg/kg bw)	RQ _a (%)
Thiacloprid	14	1.23	0.03	0.07588	0.00120	4.94
	21	0.93	0.03	0.07588	0.00090	3.74
Tolfenpyrad	14	4.00	0.01	0.07588	0.00482	48.2
	21	2.35	0.01	0.07588	0.00289	28.3