

Supplementary Materials:

Figure S1. TPS Experimental Unit Aluminum Ring Size



*Experimental units consisted of aluminum rings, each measuring 1 m² in area and 61 cm in height, placed within the rice field. This treated ring, which received a lambda-cyhalothrin application, exhibited significantly clearer water compared to the surrounding murky water. Algal growth, a common occurrence post-treatment, was observed within the ring. Notably, the rice stand inside the treated ring was more robust than outside, where TPS remained alive and active. The green vegetation within the ring comprises rice plants.

Figure S2. TPS Field Experiment



* Close up picture of lambda-cyhalothrin treated ring. Exhibits significantly clearer water and higher rice stand compared to the surrounding murky water. The green vegetation observed comprises rice plants.

Figure S3. TPS Experimental Unit Aluminum Rings in Field



*This ring was an untreated control and exhibited the same murky water as the surrounding water indicating a similar TPS density both inside and outside the ring. The green vegetation within the ring and field comprises rice plants, with notably reduced stand due to TPS swimming activity.