

# Need to Know

- Straight talk for professionals about pests and pest control products

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## New Tempo<sup>®</sup> SC Ultra Insecticide Matrix Improves Speed of Knockdown and Residual Activity

### Innovation Update

Tempo SC Ultra contains beta-crystals<sup>™</sup> technology, a special blend of beta-cyfluthrin which goes through a custom milling process to produce wide range of particle sizes for all types of insects. Tempo SC Ultra is formulated by suspending precision milled beta-cyfluthrin crystals in a suspension matrix. Tempo SC Ultra is now even better, beginning in 2006 it is available in a NEW beta-crystals<sup>™</sup> suspension matrix formulation. The NEW formulation has been re-formulated by Bayer chemists with a highly stabilized matrix to resist microbial activity, improve knockdown (up to 57%) and residual control of nuisance pests.

In the development of NEW Tempo Ultra SC beta-crystals<sup>™</sup>, its biological efficacy was compared to the old formula against key species of insect pests: German cockroach, house fly, Argentine ant, and the house cricket. All testing was conducted at the Bayer Environmental Science, Research and Training Center in Clayton, North Carolina.

Applied to porous (wood) and non-porous (ceramic tile) surfaces at the low label rate of 0.95 mg/sq.ft. (8-mL per gallon mixture). Insects were confined on treated surface for 5 minutes before they were transferred to a clean surface. The speed of knockdown was determined and compared between formulas.

### Results

1. New Tempo SC Ultra has improved speed of knockdown against all insects tested.
2. On porous surface, new Tempo SC Ultra formula improved speed of knockdown by 33%.
3. On non-porous surface, new formula improved speed of knockdown up to 57%.
4. In a residual study, new Tempo SC Ultra formulation provided improved residual control against crickets and cockroaches on porous surfaces after 30 days.

### Conclusion

The NEW Tempo SC Ultra has improved knockdown performance of important structural pests and residual control you can depend on.

