

论文

烟草野火病菌对细菌杀星的敏感性测定及敏感基线建立

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摘要:

从黑龙江省和吉林省烟草主要种植区获得烟草野火病菌(*Pseudomonas syringae* p.v. *tabaci*)菌株61个,采用抑菌圈法对50%细菌杀星WP进行了敏感性测定。结果表明:不同地理来源的烟草野火病菌对细菌杀星敏感性有一定差异,EC<sub>50</sub>=1.070~1.517 μg/mL,平均1.421 μg/mL;黑龙江省鸡西的菌株h28为最敏感菌株,其EC<sub>50</sub>为1.070 μg/mL,而黑龙江宁安菌株h40敏感性最低,其EC<sub>50</sub>值为1.517 μg/mL。同时确定了两省烟草野火病菌对细菌沙星的敏感基线为1.421 μg/mL,可用于对烟草野火病菌对细菌杀星的抗药性监测;烟草野火病菌对细菌杀星未产生抗药性。

关键词: 烟草野火病菌 细菌杀星 敏感性 敏感基线

Sensitivity Determination and Sensitivity Baseline Establishment of *Pseudomonas syringae* p.v. *tabaci* to Streptomycin • Saikuzuo

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Abstract:

The fungicide sensitivity to streptomycin • saikuzuo of sixty one strains of *Pseudomonas syringae* p.v. *tabaci*(Pst) from tobacco regions in Heilongjiang and Jilin provinces was determined using the method of inhibition zone. The results showed there were sensitivity differences among the strains, and EC<sub>50</sub> value of all strains was lower than 2 μg/mL, which ranged from 1.070 to 1.517 μg/mL, and the average value was 1.421 μg/mL. Strains h28(EC<sub>50</sub> 1.070 μg/mL) from Jixi, Heilongjiang was the most sensitive to the fungicide, but h40(EC<sub>50</sub> 1.517 μg/mL) from Ning'an, Heilongjiang was strain of the lowest sensitivity. The sensitivity baseline of Pst strains to streptomycin • saikuzuo was determined as 1.421 μg/mL, which could be used for monitoring resistance of Pst strains to the fungicide. There was no resistance of Pst strains to the fungicide.

Keywords: *Pseudomonas syringae* p.v. *tabaci*; streptomycin • saikuzuo sensitivity sensitivity baseline

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