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Effectiveness of Utilizing an Improved Simple Net Fence to Prevent Agricultural Damage by Wild Monkeys

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Abstract

To mitigate problems occurring from the use of simple net fences, we examined the effectiveness of an improved net fence in preventing monkey invasion of agricultural fields surrounded by such fences and eliminating the resultant agricultural damage. A monitoring camera, on-site research, and interviews verified the monkeys' appearance, behavior, and agricultural damage.

The simple net fence's durability was improved by substituting the easily deteriorated nylon net material with polyethylene. Furthermore, covering the lower part of the fence to keep monkeys from viewing agricultural fields further enhanced the fence's performance in preventing monkey invasion and consequent damage.

Although a double-mesh version, elaborated from a simple fence to ward off more experienced monkeys, had previously been developed, it was found to be less effectual. In contrast, a simple electrified net fence—the original version combined with electrical deterrents—completely stopped monkey invasions, and no agricultural damage occurred. Nonetheless, psychological barriers to monkeys, such as agricultural workers frightening them off, were also thought necessary to maintain the overall effectiveness of invasion-prevention fencing.

Key words

[wild monkey](#), [agricultural damage](#), [simple net fence](#)

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