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**Impotence-fighting effect
of male silkworm pupae extract in rat**

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"Nuegra, made from male silkworm pupae, is expected to make great contributions to the silkworm industry, as well as people's health," Korean ancient medical records, including "Dongeuibogam", the bible of Oriental medicine, say the male silkworm moth is effective in strengthening men's vitality. To prove it, Let animals feed on the extraction of male silkworms for three weeks, in a series of experiments. The results showed that the animals (rats)' male hormone levels increased by 33 % and their sperm count jumped by 41%, while their athletic endurance rose by 60 %.

Though the male silkworm moth is said to be highly effective in invigorating men's energy, it has been almost impossible for researchers to separate male silkworm moths that have not mated from those that have. In order to resolve this problem, the researchers bred a special discrimination of silkworm with sex-limited breeding. Specifically, researchers bred sex-limited larval marking variety, whose female features patterns marked on their bodies, and selected males only. In addition, they used sex-limited cocoon color variety to acquire male silkworm moths as they could set apart males from this kind of silkworm in cocoon status easily because its male is colored in white compared with yellow for female.

If we breed the silkworm separated from the other gender in cocoon status, we can be sure that they are male silkworm moths that have not mated. Furthermore, there is no problem in applying them to food supplements, since they are in cocoon status, which is less abhorrent to eat compared with moths.

The amount of income by producing silk with silkworm amounts to only 938 won, and by producing silkworm powder used to cut blood sugar totals 2,034 won. That is compared with 3,921 won, the combination of 1,017 won by using females to reduce blood sugar and 2,904 won by using male silkworm cocoons to produce Nuegra.