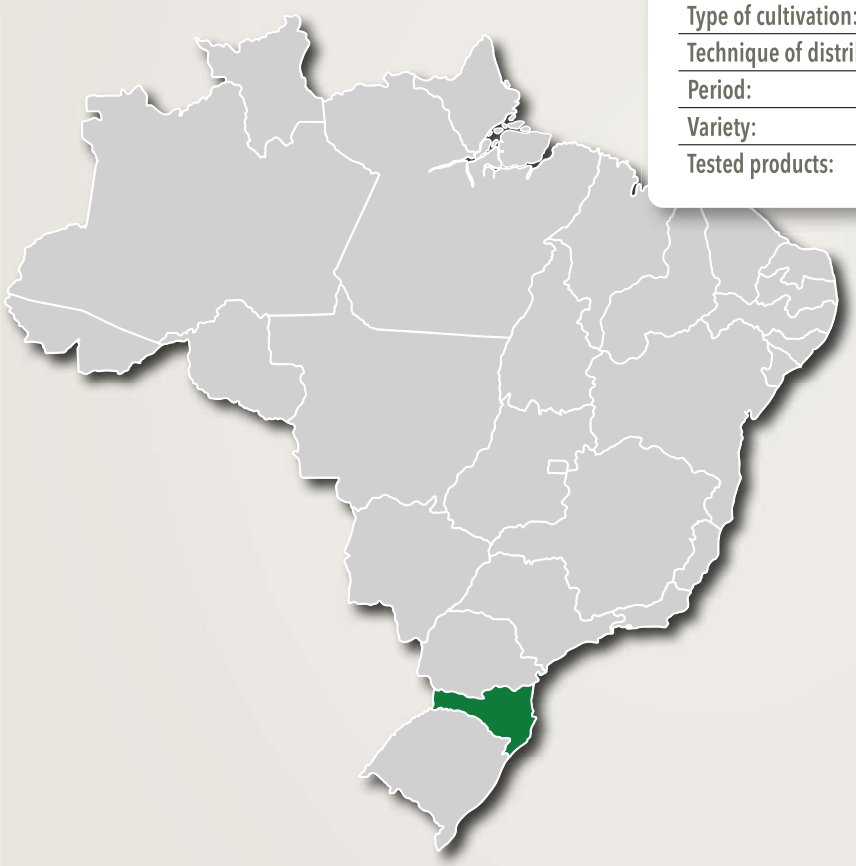
# GARLIC

## Increased yield and size


## PLACE

| | |
|---|---|
| Test location: | Empresa Edson Lazzaretti, Fraiburgo - Santa Catarina |
| Person in charge: | IlsaBrasil |
| Number of thesis: | 2 |
| Type of cultivation: | Open field |
| Technique of distribution: | Soil application |
| Period: | 01/06/2020 – 01/02/2021 |
| Variety: | Chonan |
| Tested products: | FERTORGANICO |



QUALITY CONTROL APPROVATO

## OBJECTIVE

To evaluate the efficacy of Fertorganico, integrated into the conventional strategy, on the increased size of the bulbs and on the final yield.

# HORTICULTURAL

## RESULTS ACHIEVED

Fertorganico was integrated into the usual, conventional strategy of an important producer of garlic, of the Chonan variety, in the area of Fraiburgo, in the state of Santa Catarina. The objective was to evaluate the contribution of nitrogen and organic carbon from Agrogel® on the improvement of production parameters, given that the traditional strategy involved the exclusive use of mineral fertilisers.
The results showed the important contribution of Fertorganico on the increased size of the bulbs, on the more uniform distribution in the larger classes and, consequently, on the increase in yield per hectare. The extra initial investment due to Fertorganico was largely repaid by the higher yield and higher profitability of the larger bulbs.

## TEST PROTOCOL

| | ILSA thesis | Company thesis |
|---|---|---|
| **Pre-sowing** | NPK 9-33-12: 1,400 kg/ha<br>**Fertorganico: 1,000 kg/ha** | NPK 9-33-12: 1,400 kg/ha |
| **1st Coverage** | Urea: 100 kg/ha | Urea: 100 kg/ha |
| **2nd Coverage** | Urea: 150 kg/ha | Urea: 150 kg/ha |

The other treatments, fertilisation and plant protection, were similar for both thesis, as per company practice.

ILSA
The green evolution

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BIO ILSA


## RESULTS ACHIEVED

| | ILSA thesis | Company thesis |
|---|---|---|
| **Yield (t/ha)** | **12.76** | 10.76 |
| Distribution of size classes (%) | | |
| **Class 2** | **1.6** | 1.9 |
| **Class 3** | **7.5** | 14.3 |
| **Class 4** | **37.3** | 51.6 |
| **Class 5** | **35.5** | 25.2 |
| **Class 6** | **18.1** | 7.0 |
| **TOT** | **100%** | 100% |

**ILSA THESIS**


**COMPANY THESIS**

Detail of the harvested plants and bulbs of the two thesis. The sample in which Fertorganico was added (on the left) produced bulbs on average larger and distributed in the most commercially appreciated classes.

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