

VERA targets

- ✓ Harmonization of test procedures
- ✓ Comparable test quality in Europe
- ✓ Clear definition of product requirements
- ✓ Improvement of comparability of products
- ✓ More uniform market conditions
- ✓ Creation of a database for tested products

**Credibility
by
high measurement quality**

Verification versus certification

Advantages of a verification:

- Neutral confirmation of environmental performance
- Utilization for each member country possible
- Independent from individual national requirements
 - ➔ Minimum requirements are set in national certification procedures!
- Transparent data
 - ➔ All results will be published.

VERA online

All valid test protocols and an overview of all products tested according to VERA including the relevant VERA Verification Statements are available online: www.vera-verification.eu
All information can be downloaded free of charge.

Whether you are a manufacturer, a farmer or an authority, profit from the possibility to learn more about the test methods and the tested products!

More details? – We are happy to advise you!

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On behalf of the German Federal Ministry
of Food and Agriculture (BMEL)



VERA



Verification of Environmental Technologies
for Agricultural Production

Verification of Environmental Technologies in Europe



VERA – what's this?

VERA = **Verification of environmental technologies for agricultural production**

- ➔ Secure validation of emission reducing measures
- ➔ Common test protocols approved by European experts
- ➔ Mutual recognition of test results
- ➔ Official confirmation of verified product performance by publication of the VERA Verification Statements on the VERA website

VERA = multinational cooperation of various European ministries of environment and agriculture

VERA was originated in 2008 by the German ministry of agriculture, the Danish and Dutch ministry of environment.



VERA tests – benefits

For farmers

- ✓ Tested proof of environmental performance and operational stability of a technology
- ✓ Publication of all official VERA Statements on the VERA website

For manufacturers

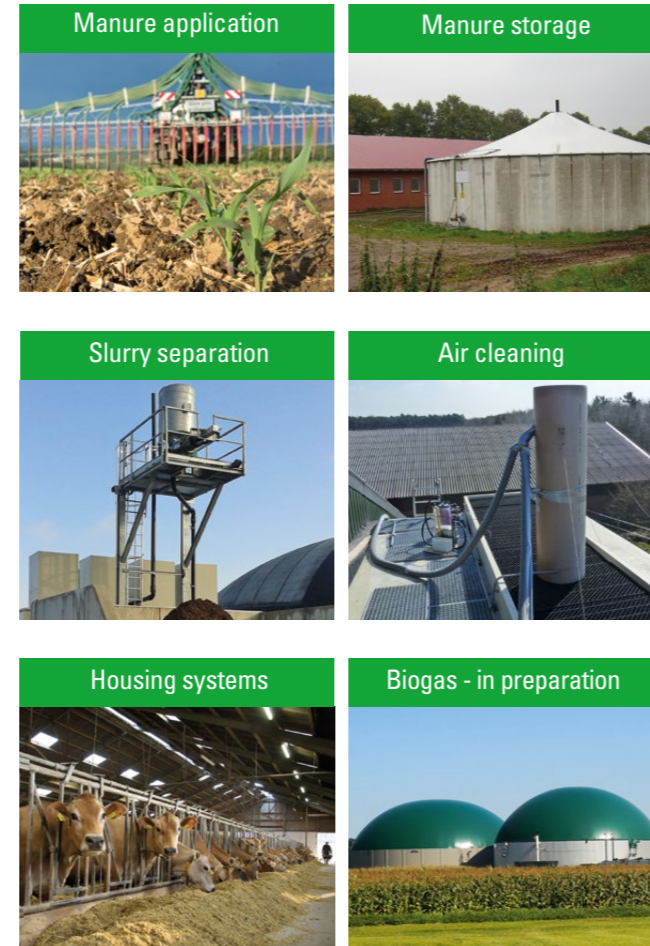
- ✓ Unique possibility for recognition in various countries – e. g. for TacRav in NL or the „Technology list“ in DK
- ✓ Saving of test costs for the proof of functionality in each of the individual countries
- ✓ More uniform market conditions by harmonized test and product requirements

For authorities

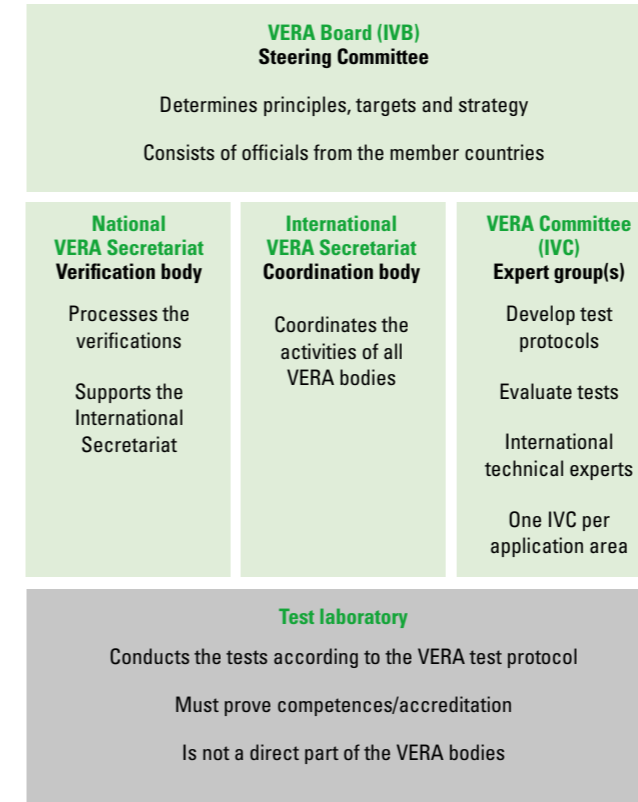
- ✓ Guaranteed application of scientific test methods and high test quality
- ✓ VERA test protocols recognised as reference documents in European procedures, e. g. BATs.
- ✓ Simplified process of national certifications/approvals by application of VERA results adapted to national frame conditions and requirements

What is tested?

Currently there are test protocols which are mutually agreed between the member countries for the following application areas:



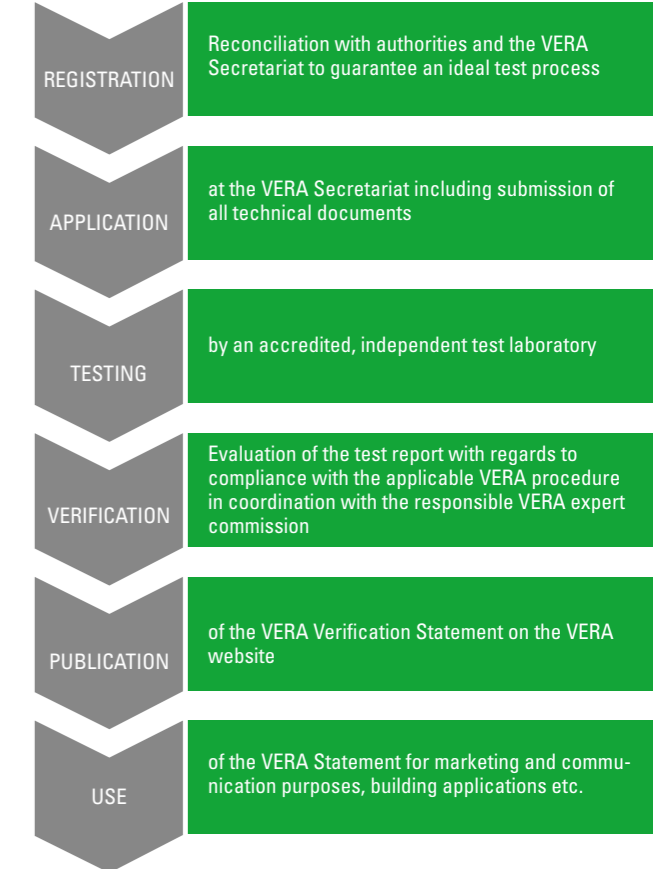
How are the tests executed?



Where are the tests conducted?

- On commercial/experimental farms
- Determination of test locations by the manufacturer and the accredited test laboratory in compliance with the requirements of the VERA test protocol
- For two test locations: farms ideally located in two different countries

From an idea to a VERA statement



Minimum test period:

- Land application of manure/slurry separation: 2 months
- Manure storage: 5 months
- Air cleaning and housing systems: 1 year