



**International Seed Testing Association - ISTA**  
Secretariat, Zürichstrasse 50, CH-8303 Bassersdorf, Switzerland  
Phone: +41 44 838 60 00 Fax: +41 44 838 60 01  
Email: [ista.office@ista.ch](mailto:ista.office@ista.ch) - <http://www.seedtest.org>

## International Rules for Seed Testing

### How to use the PDF files

#### Downloading

It is recommended to download the PDF files to your computer onto a hard drive, and open them using Adobe Acrobat or Acrobat Reader. Acrobat Reader is available free from the Adobe web site at: [www.adobe.com/go/getreader](http://www.adobe.com/go/getreader)

#### Features

- Text available in English, French, German and Spanish
- Rules changes are highlighted in yellow, see an example below
- Summaries of the rules changes next to highlighted text
- Links from contents list to chapters and sections
- Searchable: shift-control-F to open the advanced search

#### Viewing

When opened, the PDF file should look like this:



1. Layers: click to show and hide panel
2. Layers: click to show and hide languages and highlighted rules changes
3. Bookmarks (contents list): click to show and hide panel
4. Page thumbnails: click to show and hide panel
5. Comment (rules change summaries): click to show and hide panel



**International Seed Testing Association - ISTA**  
Secretariat, Zürichstrasse 50, CH-8303 Bassersdorf, Switzerland  
Phone: +41 44 838 60 00 Fax: +41 44 838 60 01  
Email: [ista.office@ista.ch](mailto:ista.office@ista.ch) - <http://www.seedtest.org>

## Languages

### 6. Languages

ISTA\_Rules\_2019\_Full Issue\_All Languages.pdf - Adobe Acrobat Pro DC  
File Edit View Window Help  
Home Tools ISTA\_Rules\_2019\_F... x  
1 (1 of 300) 116%  
Layers  
ISTA\_Rules\_2019\_fullissue.indb  
Rules changes for 2019  
English  
Français  
Deutsch  
Español  
Guides and Grids

# Reglas Internacionales para Análisis de Semillas 2019

## Rules changes

ISTA\_Rules\_2019\_Full Issue\_All Languages.pdf - Adobe Acrobat Pro DC  
File Edit View Window Help  
Home Tools ISTA\_Rules\_2019\_F... x  
2-2 (38 of 300) 116%  
Chapter 2: Sampling International Rules for Seed Testing  
2.2.12 Treated seed  
'Seed treatment' is a generic term which indicates that a seed lot has been subjected to:  
a. the application of a compound including film coatings, polymers, pesticides, fungicides, biologicals, identifying colourants, dyes and other additives;  
b. the application of a biological product including micro-organisms;  
c. a process including wetting and drying; or  
d. an energy form including heat, radiation, electricity or magnetism;  
but does not specify the application method.  
Seed treatment does not significantly change the shape and the general size of the untreated seed with only a minimal weight gain. Treated seeds are usually tested without removing the treatment and according to the same rules as untreated seeds.  
have a substantial effect on the quantity of the remaining seed lot. High-value seed includes, but is not limited to, hybrid vegetable seeds that are sold per seed, or seed that is not commercially available and is used for research or for higher generation multiplication.  
2.3 General principles  
A composite sample is obtained from the seed lot by taking primary samples from different positions in the whole seed lot and combining them. From this composite sample, subsamples are obtained by sample reduction procedures at one or more stages forming the submitted sample and finally the working samples for testing. For issuing ISTA Certificates, specific requirements have to be fulfilled as given under 2.5.4. Further information on seed sampling can be found in the current *ISTA Handbook on Seed Sampling*.

7. Click to show or hide comment panel with rules change summaries
8. Click on any summary to jump to its location (precise position in English only)
9. Filter comments: click here to show or hide comment icons in rules
10. Comment icon: when comment panel hidden, click on icon to view summary
11. Click to show or hide highlighting. For printing purposes, it is recommended to hide the highlighting