Antifungal Property of Garlic (*Allium sativum* Linn.) in Poultry Feed Substrate

1. G. PRASAD and
2. V. D. SHARMA1

± Author Affiliations

1. *Department of Microbiology and Public Health, College of Veterinary Sciences, G. B. Pant University of Agriculture and Technology, Pantnagar, Nainital, UP, India*

- Received April 14, 1980.

Abstract

Garlic (*Allium sativum* Linn.) extract and chips at 3% concentrations inhibited the growth of three test fungi viz. *Candida albicans* (Pantnagar strain), *Aspergillus fumigatus* (Pantnager strain), and *A.parasiticus* (NRRL-3240) inoculated in poultry feed substrate. The viable spore count per gram of feed treated with garlic was approximately ten to one hundred times less than the control feed samples. The extract was more effective than the chips.

Key words

- *Allium sativum* Linn. (Garlic)
- antifungal agents
- poultry feed
- *Aspergillus fumigatus*
- *Aspergillus parasiticus*
- *Candida albicans*

« Previous | Next Article » Table of Contents

This Article

1. *Poultry Science (1981) 60 (3): 541-545. doi: 10.3382/ps.0600541*

1. » AbstractFree
2. Full Text (PDF)

- Classifications

1.
    - Environment and Health

- Services

1. Article metrics
2. Alert me when cited

3. Alert me if corrected
4. Find similar articles
5. No Web of Science related articles
6. Add to my archive
7. Download citation
8. Request Permissions

+ Citing Articles

1. No citing articles
2. Citing articles via CrossRef
3. No Scopus citing articles
4. No Web of Science citing articles
5. Citing articles via Google Scholar

+ Google Scholar

1. Articles by PRASAD, G.
2. Articles by SHARMA, V. D.
3. Search for related content

+ Related Content

1. No related web pages

- Share

1. 
   -  CiteULike
   -  Delicious
   -  Facebook
2.

Advanced »

Current Issue

1. September 2016 95 (9)

1. 

1. Alert me to new issues

The Journal

- About the journal
- Journal sponsorship information
- Free Editor's Choice Articles
- Poultry Science E-Supplement Abstracts
- Rights & permissions
- Poultry Science in the News
- We are mobile - find out more
- Impact Factor Articles
- Journals Career Network

Published on behalf of

1. Growth, livability, and feed conversion of 1957 versus 2001 broilers when fed representative 1957 and 2001 broiler diets
2. Application of prebiotics and probiotics in poultry production
3. Antibiotic growth promoters in agriculture: history and mode of action
4. The effects of dietary mannaoligosaccharides on cecal parameters and the concentrations of enteric bacteria in the ceca of salmonella-challenged broiler chicks
5. Carcass composition and yield of 1957 versus 2001 broilers when fed representative 1957 and 2001 broiler diets

» View all Most Cited articles

Online ISSN 1525-3171 - Print ISSN 0032-5791