

Summary citation from AGRICOLA, the online catalog of the National Agricultural Library (NAL)

## Interactions of non-nutrients with nutrients.

Abstract: An extensive literature review discusses the effect of nutrient intakes on the action of non-nutrients, and vice-versa. The topics are arranged in 28 nutrient sections which can contain up to 17 non-nutrient groups. Included are a synopsis of the actual status of research; generalizations; and directions for future research. Humans must incorporate nutrients for optimal health; but non-nutrient substances are being ingested, either voluntarily (smoking), intentionally (drugs), or unconsciously (air, water, and food). The quantitative relationship between non-nutrients and health are seldom known; this review attempts to draw conclusions regarding their influence on nutritional status. Special attention is paid to: changed action or toxicity of non-nutrients in altered nutritional situations (malnutrition), side effects of intake of non-nutrients on nutrient metabolism (nutritional requirements); and nutrient influences on the activities of non-nutrient-metabolizing enzymes (especially hepatic microsomal enzymes). An extensive bibliography of 896 references is included. (kbc)

**Journal Title:** World review of nutrition and dietetics.

**Journal Volume/Issue:** 1977. v. 26

**Main Author:** Oltersdorf, U.

**Other Authors:** Miltenberger, R., Cremer, H.-D.

**Format:** Article

**Language:** English

**Subjects:** nutrients  
food additives  
chemical substances  
food contamination

**For More Info:** [View in NAL's Catalog.](#)

<http://openagricola.nal.usda.gov/Record/FNI83002447>

[World Rev Nutr Diet.](#) 1977;(26):41-134.

## Interactions of non-nutrients with nutrients.

[Oltersdorf U](#), [Miltenberger R](#), [Cremer HD](#).

PMID:

324145

[PubMed - indexed for MEDLINE]

## **Publication Types, MeSH Terms, Substances**

### *Publication Types*

- [Review](#)

### *MeSH Terms*

- [Animals](#)
- [Antitoxins](#)
- [Carcinogens](#)
- [Contraceptives, Oral](#)
- [Diet\\*](#)
- [Dietary Carbohydrates](#)
- [Dietary Fats](#)
- [Dietary Proteins](#)
- [Energy Intake](#)
- [Food Additives](#)
- [Food Preservatives](#)
- [Humans](#)
- [Microsomes, Liver/enzymology](#)
- [Minerals\\*/metabolism](#)
- [Pesticides](#)
- [Pharmaceutical Preparations\\*/metabolism](#)
- [Pharmacology](#)
- [Sweetening Agents](#)
- [Trace Elements](#)
- [Vitamins\\*/metabolism](#)

### *Substances*

- [Antitoxins](#)
- [Carcinogens](#)
- [Contraceptives, Oral](#)
- [Dietary Carbohydrates](#)
- [Dietary Fats](#)
- [Dietary Proteins](#)
- [Food Additives](#)
- [Food Preservatives](#)
- [Minerals](#)
- [Pesticides](#)
- [Pharmaceutical Preparations](#)
- [Sweetening Agents](#)
- [Trace Elements](#)
- [Vitamins](#)

<http://www.ncbi.nlm.nih.gov/pubmed/324145>