FACULTY OF BIOSCIENCE ENGINEERING

GHENT UNIVERSITY

Crelan

Inspiring Mornings @UGent FBW

“Creating nutrient-enriched foods through biofortification”

Ghent, 14 december 2016

I. Health impact of selenium and iodine and advantages of biofortification

I. Is there a need for better monitoring on (micro-) nutrient deficiencies within the general public?

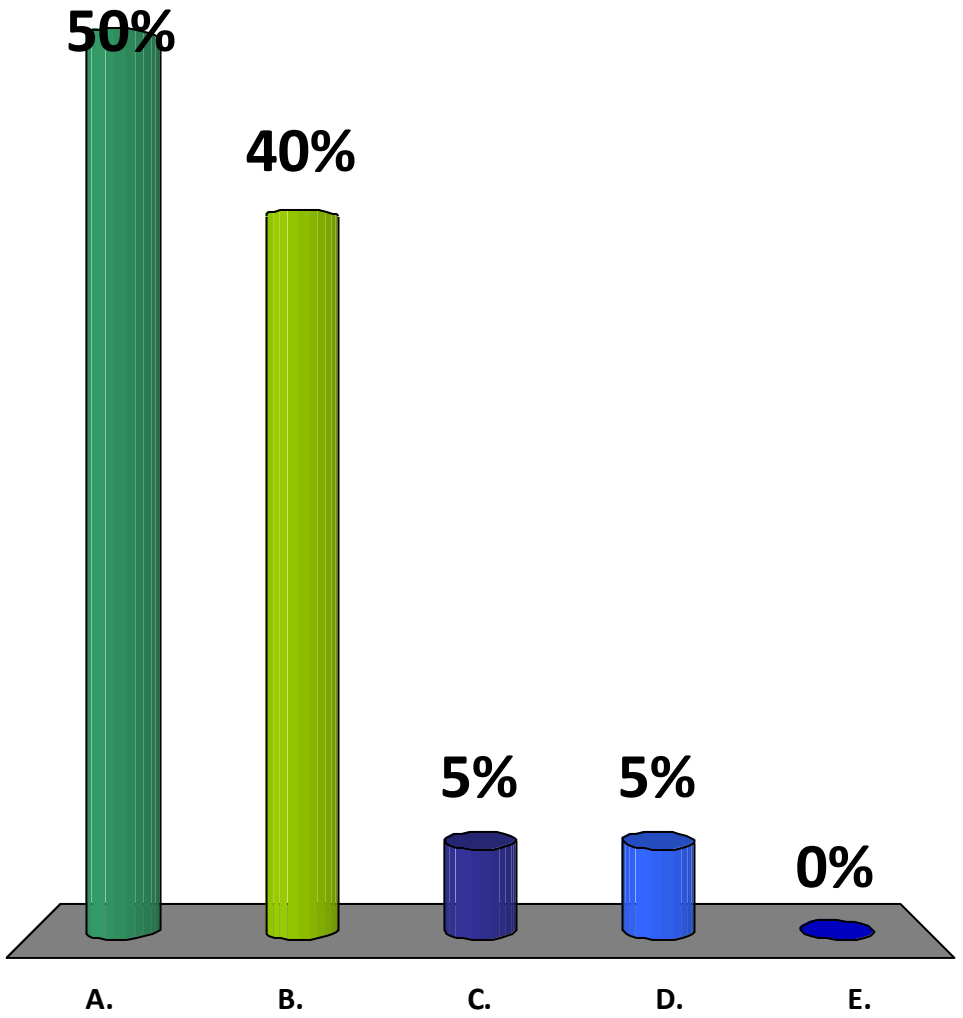
A. Yes.

B. Only for certain (micro-) nutrients.

C. Only for certain subgroups (children,…).

D. Only in developing countries.

E. No.



I. Is there currently a need for dietary supplementation of micronutrients?

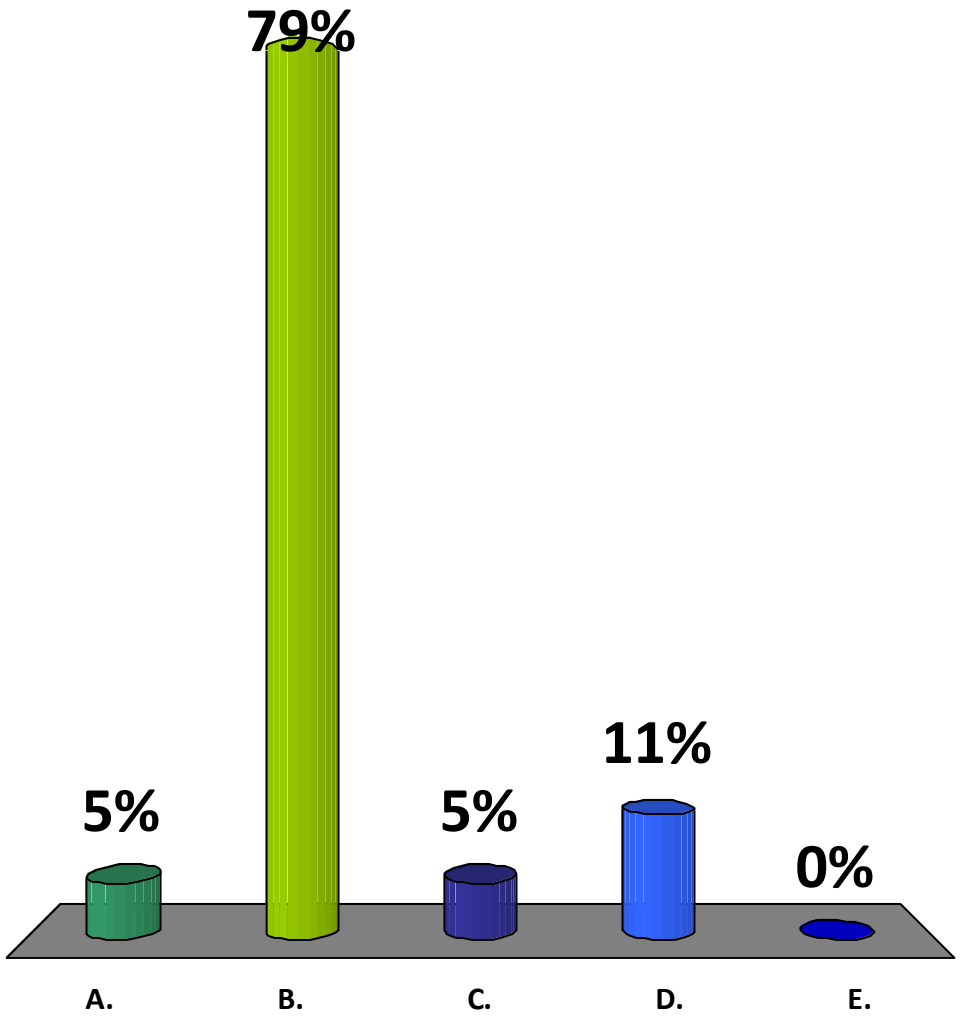
A. Yes.

B. Only for certain micro-nutrients.

C. Only in developing coutries.

D. No, alternatives exist.

E. No, alternatives should be developed.



FACULTY OF BIOSCIENCE ENGINEERING

GHENT UNIVERSITY

Crelan

Inspiring Mornings @UGent FBW

“Creating nutrient-enriched foods through biofortification”

Ghent, 14 december 2016

II. Potential of biostimulants as a novel tool for biofortification

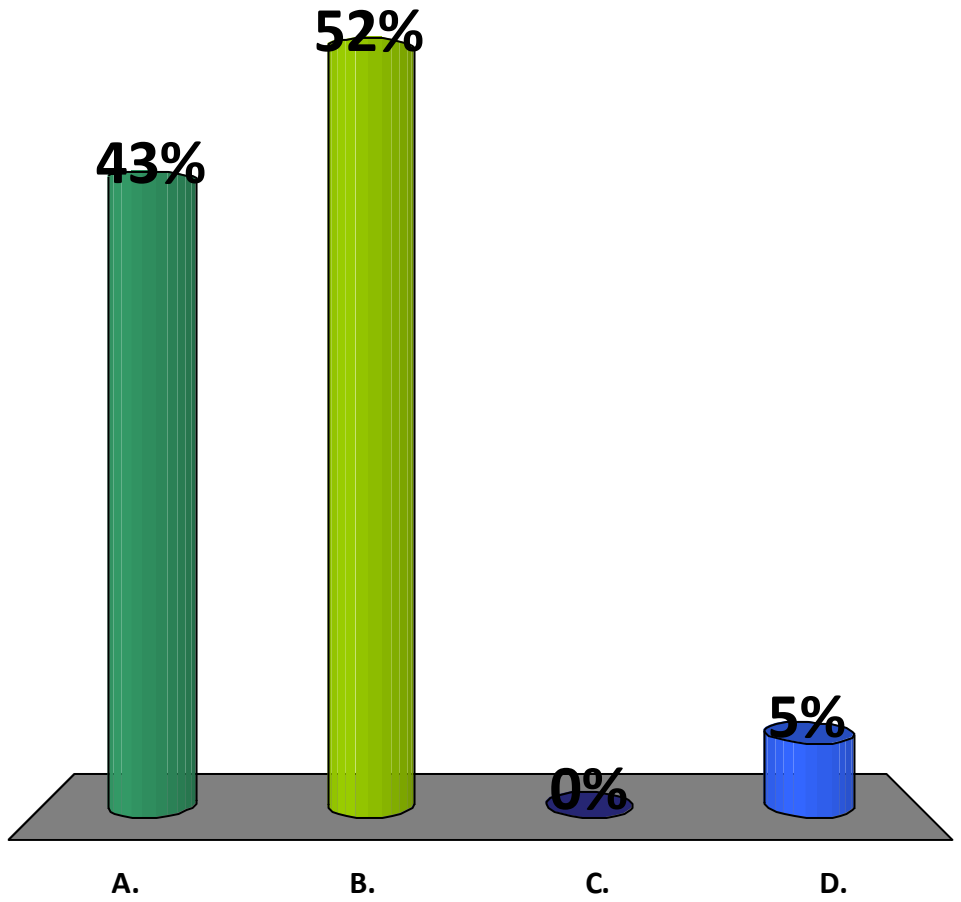
II. Do you agree that biostimulants are a valuable tool for enhancing nutrient concentrations in plants?

A. Yes, should be developed immediately.

B. Yes, but more research is needed.

C. No, too expensive.

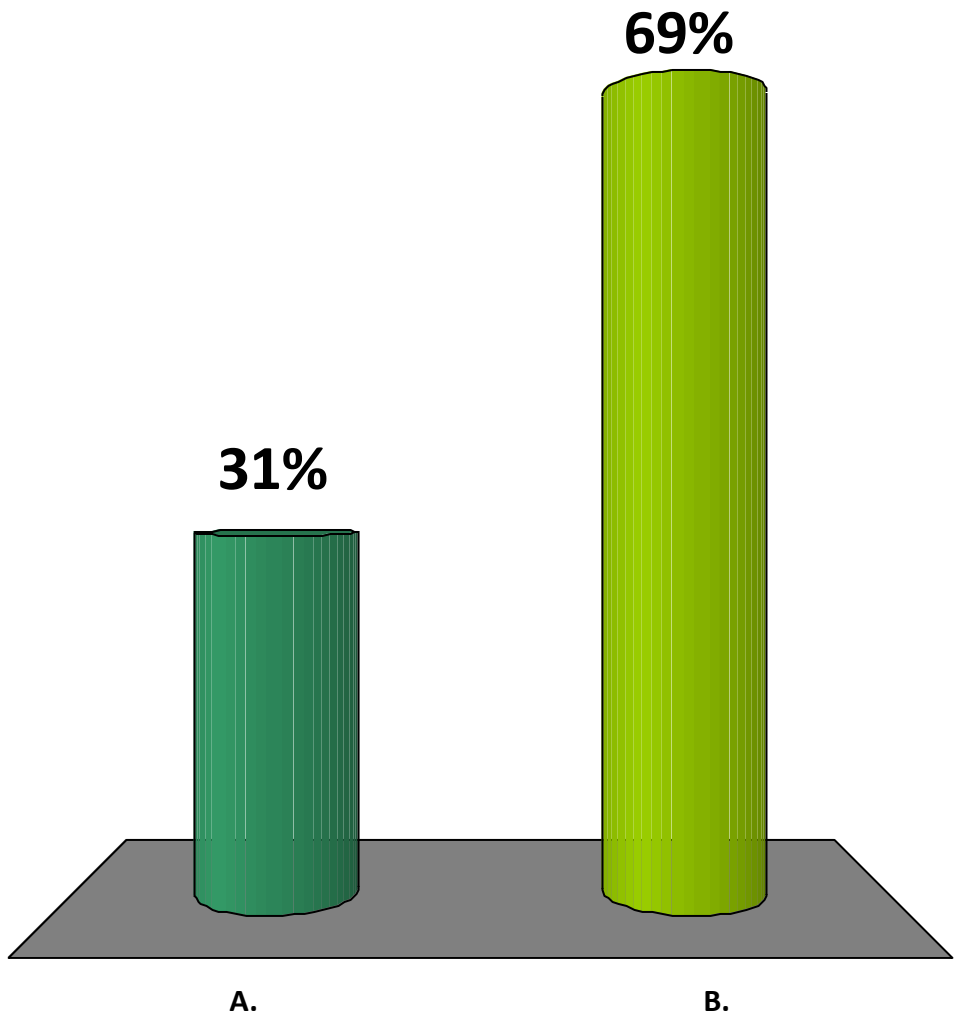
D. No, concerns with consistency.



II. Future research on biofortification should exclude all GMO approaches?

A. Yes.

B. No.



II. Future research on biofortification should focus on…

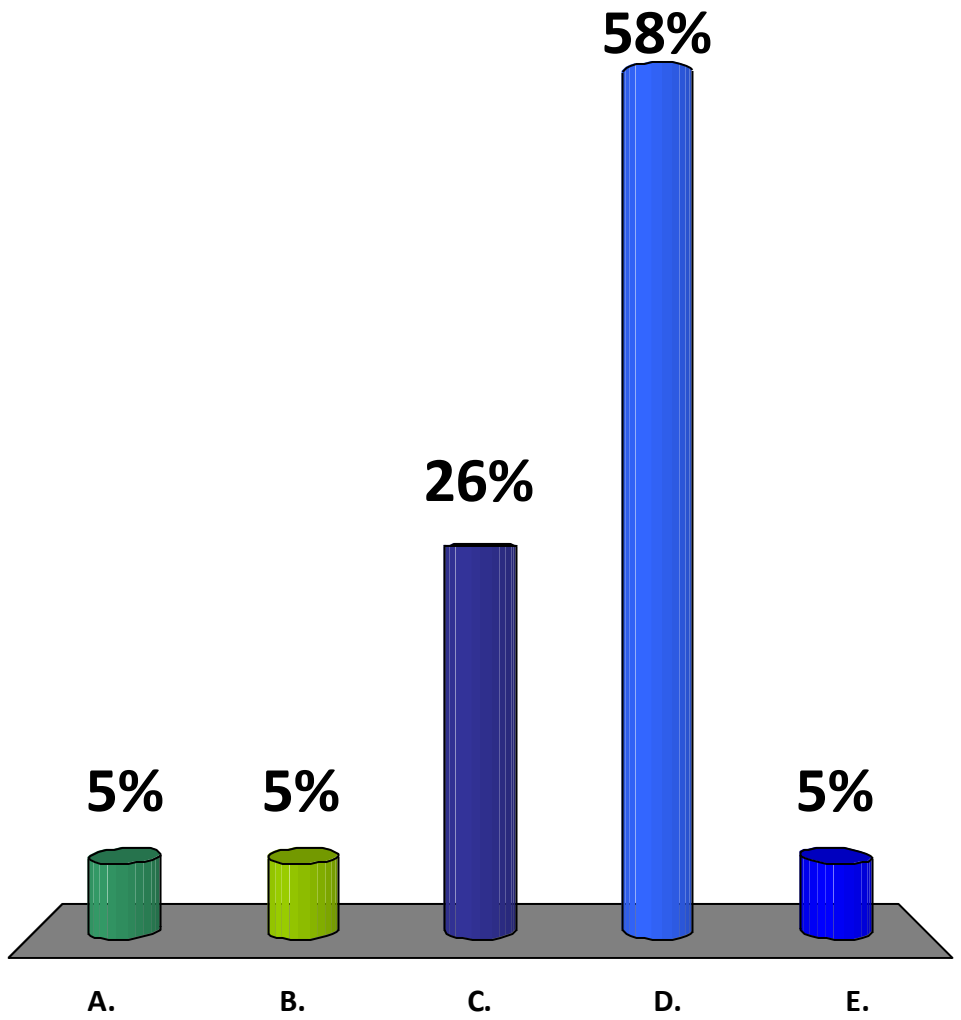
A. Increasing environmental abundance.

B. Increasing soil availability of micronutrients.

C. Increasing plant uptake.

D. All the above.

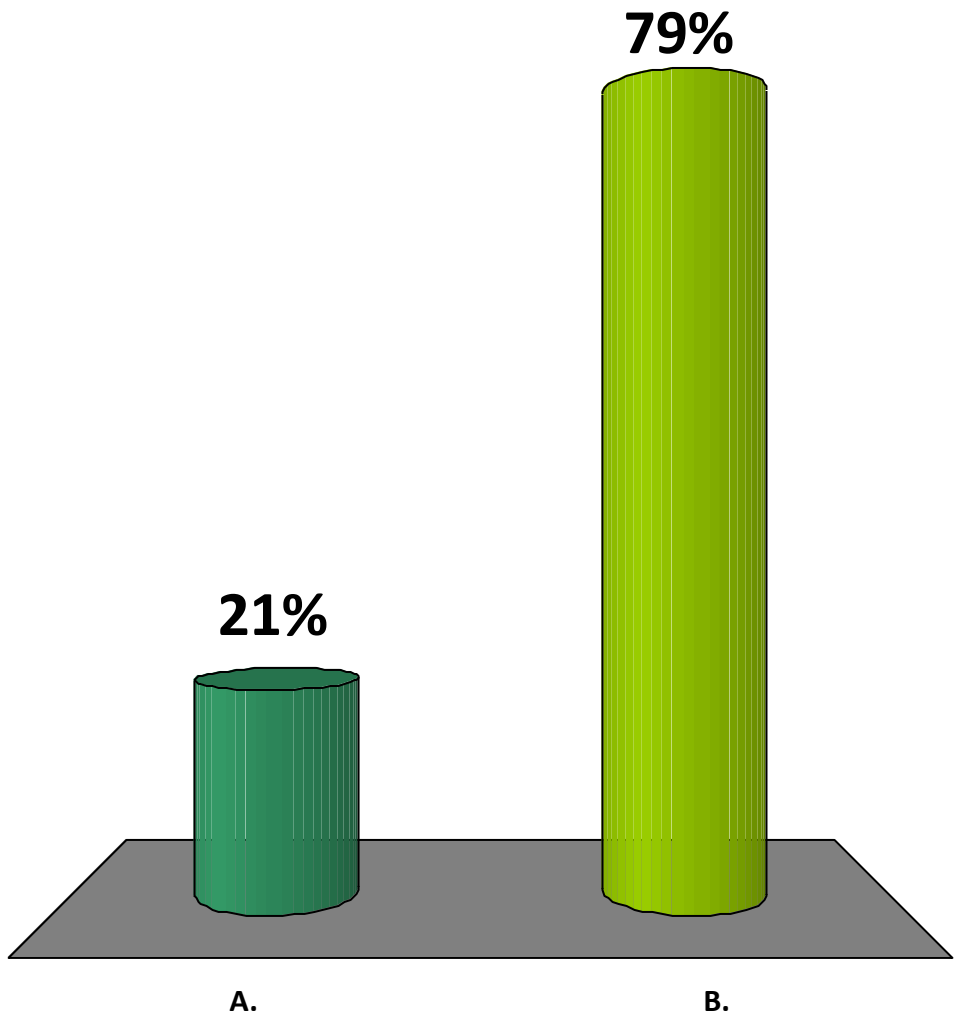
E. Others.



II. From an economic and environmental perspective, preference should be given to fertilizing crops grown under controlled (greenhouse) conditions…

A. Yes

B. No



FACULTY OF BIOSCIENCE ENGINEERING

GHENT UNIVERSITY

Crelan

Inspiring Mornings @UGent FBW

“Creating nutrient-enriched foods through biofortification”

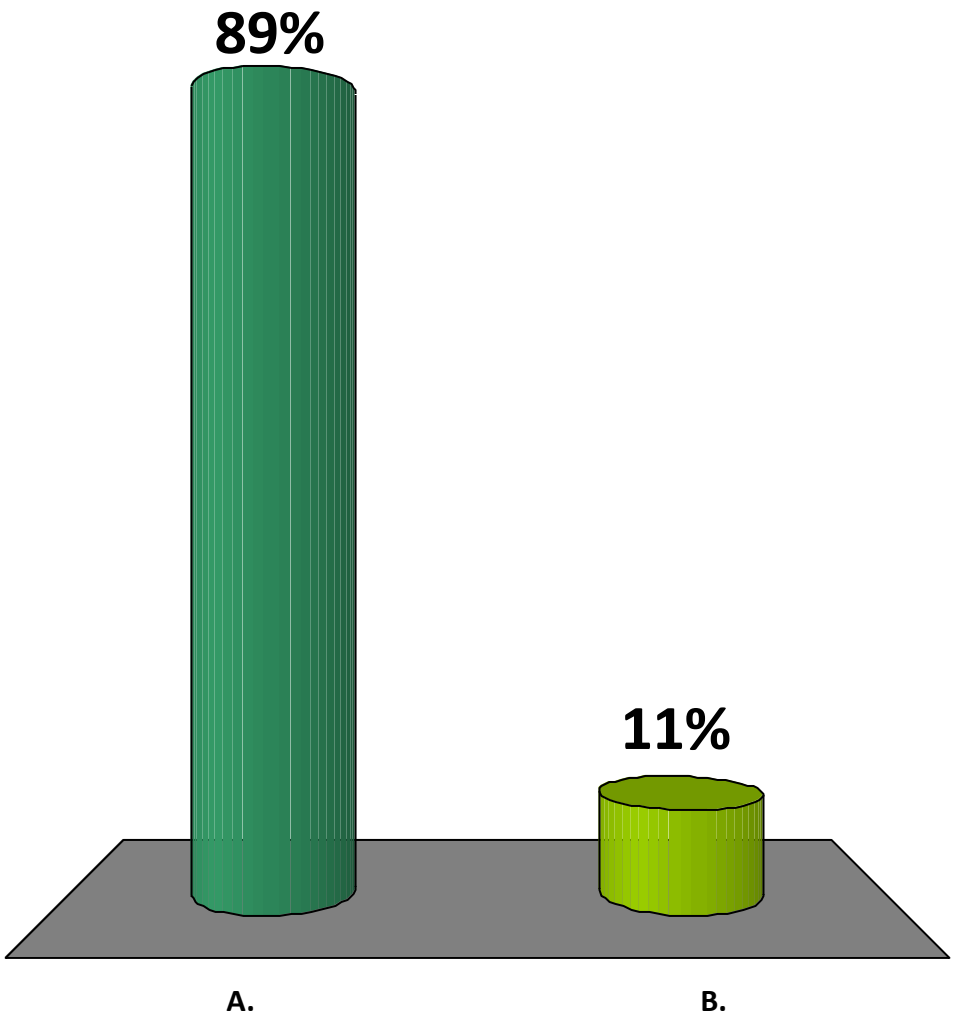
Ghent, 14 december 2016

III. Potential of nutrient-enriched foods in developing countries

III. The general public should be more aware of the importance of certain micronutrients and the risk for deficiencies?

A. Yes.

B. No.



III. Who is responsible for public awareness on the importance of certain micro-nutrients and the risk for deficiencies?

A. The governement.

B. Research institutions.

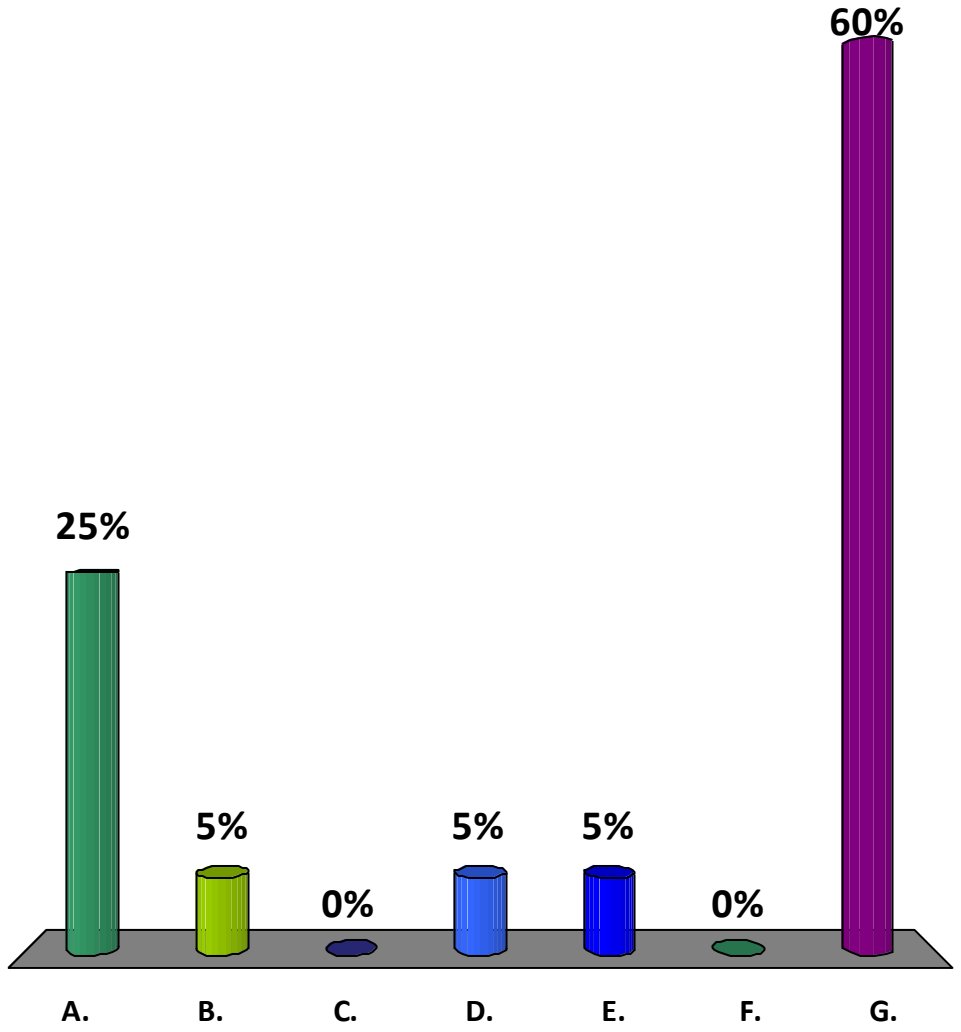
C. NGO’s.

D. Health workers.

E. The retailers.

F. The producers.

G. A combination of the above.



FACULTY OF BIOSCIENCE ENGINEERING

GHENT UNIVERSITY

Crelan

Inspiring Mornings @UGent FBW

“Creating nutrient-enriched foods through biofortification”

Ghent, 14 december 2016

IV. Factors affecting effectiveness of micronutrient supplementation in crop and animal production

IV. Which supplementation strategy is the most effective to induce human health benefits?

A. Enrichment of food/feed crops.

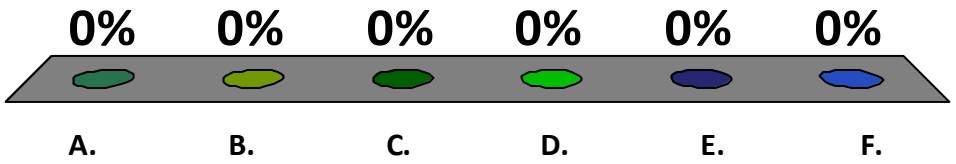
B. Addition of micronutrients to animal feed.

C. Addition of micronutrients during food processing.

D. Food supplements (tablets).

E. Depends on the micronutrient and context.

F. Others.



IV. Which supplementation strategy is the most easy to implement?

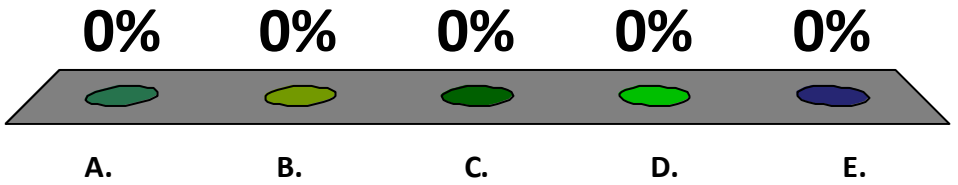
A. Enrichment of food/feed crops.

B. Addition of micronutrients to animal feed.

C. Addition of micronutrients during food processing.

D. Food supplements (tablets).

E. Others.

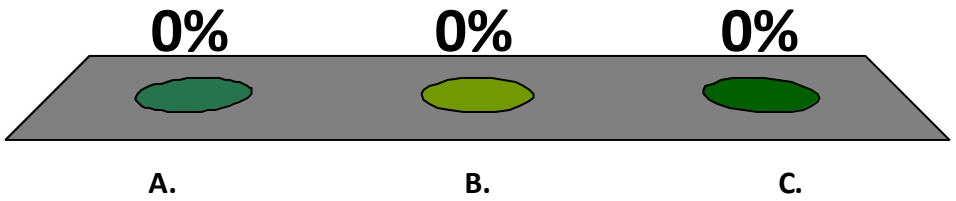


IV. Which supplementation strategy has the most potential benefits?

A. Enrichment of food/feed crops.

B. Supplementation to animal feed.

C. Depends on the micro-nutrient.



FACULTY OF BIOSCIENCE ENGINEERING

GHENT UNIVERSITY

Crelan

Inspiring Mornings @UGent FBW

“Creating nutrient-enriched foods through biofortification”

Ghent, 14 december 2016

V. Market potential and consumer perception of biofortified foods

FACULTY OF BIOSCIENCE ENGINEERING

GHENT UNIVERSITY

Crelan

Inspiring Mornings @UGent FBW

“Creating nutrient-enriched foods through biofortification”

Ghent, 14 december 2016

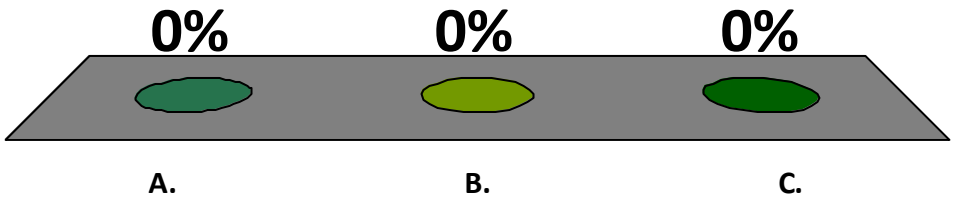
V. Market potential and consumer perception of biofortified foods

V. Are consumers willing to pay more for nutrient-enhanced foods?

A. Yes.

B. No.

C. Depends.



V. Who should pay for the additional cost of bringing nutrient-enriched foods to the market?

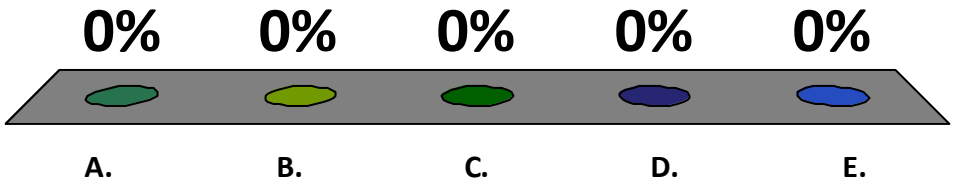
A. The consumer.

B. The farmer.

C. The retailer.

D. The government.

E. A combination.



V. Business can be developed in the field of biofortification, so entrepreneurship in this field should be stimulated.

A. Yes.

B. No.

C. Depends.