Bundesanstalt für Agrarwirtschaft und Bergbauernfragen

Eine Einrichtung des Bundesministeriums für Landwirtschaft, Regionen und Tourismus

Interactive Gross Margin (IGM) application

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Topics

- Basic Informations
- Benefits of the IGM-Application
- Features in IGM-Application
- Live presentation
- Prospects for IGM

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IGM – Interaktive Gross Margin application

- Url: https://idb.agrarforschung.at/

IGM - Interactive Gross Margins and calculation datas

- ➢ Onlinetool for calculation of Gross Margins - interactive
- ➢ For different branches of farm activities (conventional and organic farming systems)
  - ➢ Crop farming (21 conventional, 17 organic)
  - ➢ Cattle husbandry (5 conv., 5 org.)
  - ➢ Sheep and goat husbandry
  - ➢ Pig farming
  - ➢ horsekeeping
  - ➢ Laying hens
  - ➢ Fodder production (5 conv., 3 org.)
  - ➢ Vineyards
- ➢ Preset with default values, but individually adaptable
- ➢ Programmed, updated by BAB
- ➢ Replaced the catalogue for Gross Margins last published in 2008

IGM-Project structure

IGM basic project

„Interactive Gross Margins"

IGM-Database

(no public access)

IGM-Application

(public access)
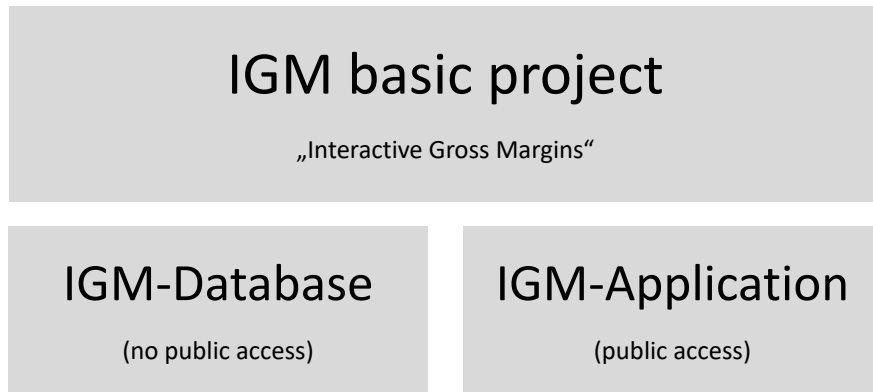
IDB-Project status

IGM Basic project (ab 2010)		
IGM 1 = old version (2010-2023)	**IGM 2 = new version (ab 2022)**	**Storage old version**
First development by IGM project team of BAB in cooperation with LfL Bavaria Activitys: crops, animal husbandry, fodder crops, viniculture – conventional and organic farming Programming: Java, JavaScript	Further development by WG Simulation and IGM project team of BAB First crop activities published in Q1-2022, successive additional activities until full implementation in Q1-2023 Programming: Angular Link: https://idb.agrarforschung.at/	**Old version of IGM on legacy available**
BAB-Grundlagenprojekt „IDB" (BAB 015/10)	BAB-Grundlagenprojekt „IDB" (BAB 015/10) und EIP-Projekt „Einkommensstabilisierung" (BAB 031/19)	

BAB-Basic Project „IGM"

Basic Project - IGM		Team

Basic Project - IGM

Title: „Interactive Gross Margins and calculation datas"

Nummer: BAB 015/10

Duration: 2010-ongoing

Links: https://idb.agrarforschung.at

Team

IGM Basic Project – Management
GAHLEITNER Gerhard (gerhard.gahleitner@bab.gv.at)

Sub project IGM-Data base – Management
LINDER Siegbert (siegbert.linder@bab.gv.at)

IGM-Project team – Collaboration
GAHLEITNER Gerhard
HAMBRUSCH Josef
HORVATH Monika
LEIDWEIN Alex
LINDER Siegbert
MARIA Richard
PLANKENSTEINER Tobias
SKIDMORE Thomas
STELZER Christoph
WEIGL Martin

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Benefit of the IGM Application?

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- ☑ Support for farm management, education, consulting, science, etc.
- ☑ Basis for profitability calculations and farm planning
- ☑ Contribution margins adaptable to the individual farm (interactive)
- ☑ Comparison of the competitiveness of crops
- ☑ Crop rotation planning
- ☑ Gross margin developments over several years
- ☑ Linkage with calculation programms for the entire holding (needed for Application for investment support)
- ☑ Continuous updating and maintenance
- ☑ Free of costs and advertising

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Highlights

- ☑ Offers readily-available calculations and datas
- ☑ relies on a simple concept (gross margin = revenue – variable costs)
- ☑ is interactive and highly flexible
- ☑ offers a user-friendly interface, documentation and export options
- ☑ Each activity is populated with default values (averages of the selected area in the selected observation period and subject to the chosen variant)
- ☑ Most datas can be overwritten to tailor the calculation to a specific problem statement
- ☑ The IGM data are updated periodically

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Possible Analyses

- ☑ analysing situations of the present, the past and the future
- ☑ scenario analyses (e.g. best, worst or most likely case)
- ☑ calculating gross margins of a crop sequence
- ☑ analysing changes in management or the farming environment
- ☑ calculating expected gross margins of innovation

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New features in IGM 2

NEW!

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☑ Default settings for all activities (e. g. observation period, region, settings regarding VAT)

☑ Setup of new masks, functions, modules and interfaces

☑ Broadening the period of observation and the database

☑ Adaptation of the activities to changed framework conditions

☑ Planning of crop rotation (with scenario analyses)

☑ Extension of evaluation possibilities (time series, graphic output)

☑ Saving and later reprocessing of activities

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Live presentation of IGM application

Foto: Karin Heinschink

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Implementation of new activities

☑ Preparation of a calculation template in EXCEL
 ☑ Reviewed by experts
 ☑ Collection of sources for default values
☑ Programmed by IT experts
☑ Tested by BAB and experts
☑ Release

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Prospects for IGM

☑ Programming of new activities
 ☑ Crop production, animal husbandry
☑ Periodical update – prices, yields
☑ Review of possible new features
 ☑ Humus balance?
 ☑ Greenhouse gas emissions?
☑ Etc.

IDB Vorstellung, 31.03.2023