

FOOD TECHNOLOGY SOFTWARE OVERVIEW

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Name	Company	Single user license	Web site
Nutrition calculation/labelling software			
FoodWorks Nutrition Labelling Edition 3.02 ★★★★★ ¹	Xyris (Australia), NZ Foods database	NZ\$1,950 (NZ\$850 next license)	www.xyris.com.au
1. Genesis R&D ★★★★★ 2. Genesis R&D SQL with Canadian label options	ESHA (USA): US Labels SQL US labels and/or Canadian labels (dual option)	1. US\$2,999 2. US\$3,499	www.esha.com
Milly ★★ or ★★★ (TBC)	Milly Systems	NZ\$995	www.millysystems.co.nz
Recipe Developer (1 of 3 modules, see below) ★★	Hamilton Grant (UK)	~NZ\$20,000	www.hamilton-grant.co.uk; www.hgrant.net
SERVE vs 5 (NZ database) Foods & Recipes edition; ★★	Serve Nutrition Management System	A\$495 (labelling)	www.serve.com.au
TechWizard vs 3 (part of it) vs2 ★★	Owlsoft (USA)	US\$1,750 (or lease)	www.owlsoft.com
Sensory Evaluation and Consumer Research Software			
Many statistics packages are available (SPSS, SAS, Statistica, GenStat, MiniTab, S-PLUS, Systat etc)			
Free Electronic Statistics Textbook from Statsoft (makers of Statistica): www.statsoft.com			
Tailor made packages			
Compusense Five Compusense QC	Compusense Inc, Guelph (Canada)	Range US\$7,500-\$20,000; QC C\$15,499	www.compusense.com
FIZZ	Biosystemes (France) (in English)	From basic Paper/scanner option €14,910 to 8-14 PC's €16,800	www.biosystemes.com
Sims 2000 (sensory & consumer research) with link to CAMO Unscrambler	Sensory Computer Systems	From US\$10,000	www.sensorysims.com
Tastel (sensory evaluation incl QC and panel evaluation) Constel (consumer research)	ABT Informatique	Tastel: Data Scanner option: US\$ 3,850; Network options: 2 terminals US\$4,920 14 terminals US\$ 10,580 Constel: scanner US\$4,150 1-50 Palmtops US\$6,540 Internet license: US\$9,200	www.abt-sensory-analysis.com Agent: Unimonde www.unimonde.com.au
Microbiological shelf life prediction software (also web based databases)			
ComBase (combined database for predictive food microbiology information)	US Dept of Agriculture, Institute of Food Research Food Standards Agency UK	Free	www.combase.cc; or www.ifr.ac.uk/combase/about.html
Food Spoilage Predictor Software (for Pseudomonas) (Developed by University of Tasmania)	Energy Engineering Ltd (works with Tiny Tag logger)	NZ\$125 +GST	energy@nznet.gen.nz (0800-629 363)
Growth Predictor Software (includes DMFit version 2, An Excel add-in for fitting sigmoid curves; included in Combase.)	Institute of Food Research (UK) but no link found on www.ifr.ac.uk site.	Free	www2.ifr.bbsrc.ac.uk/Safety/Growth Predictor
Listeria M. Risk Assessment for selected RTE foods (dose-response model)	FDA /Centre for Food Safety and Applied Nutrition: Report	Free	www.foodsafety.gov/~dms/lmrisk.html
Microbial Pathogen Data Sheets (pdf data sheets on 23 pathogens)	NZFSa in association with Environmental Science and Research Ltd	Free	http://www.nzfsa.govt.nz/science-technology/data-sheets/index.htm
PMP: Pathogen Modelling Program	USDA-Agricultural Research Service,	Free	www.arserrc.gov/mfs/pathogen.htm
Risk assessment calculator: Microbial Risk Assessment of Meat products	EC Fifth Framework Programme; A SMAS project	Free	www.smas.chemeng.ntua.gr
Seafood Spoilage Predictor (SSP) v 1.1	Danish Institute of Fisheries Research	Free	www.dfu.min.dk/micro/ssp

Assorted specialised software			
Bread Advisor Software	Campden & Chorleywood(UK)	£2,800	www.campden.co.uk
“Cake Expert System” Modules: Balance, Fault DoC, ERH CALC	Campden & Chorleywood(UK)	£5,075	www.campden.co.uk
C Temp_Centre vs 4.3 (in-container heating)	Campden & Chorleywood (UK)	£2,000	www.campden.co.uk
Formulatel: (R&D support: statistics, experimental design, formula and cost optimisation, flavour library, formulation & nutrition).	ABT Informatique	? no info given. May indicate not fully operational	www.abt-sensory-analysis.com Agent: Unimonde www.unimonde.com.au
Hamilton Grant 1. Recipe Designer module 2. Specifications Express 3. Quality Module	Hamilton Grant (UK)	~NZ 20,000 each, cheaper when 2-3 modules bought at same time.	www.hamilton-grant.co.uk; or www.hgrant.net
Production Wizard vs 1 (batching management)	Owl Software (USA)	US\$8,400./ 5 seats lease + US\$840 p.a.	www.owlsoft.com
TechWizard version 3 (ice cream making, reverse engineering, linear optimisation) vs 2 ☆☆☆	Owl Software (USA)	US\$1,750; or lease options	www.owlsoft.com
HACCP software			
Overview article on 18 packages (see pdf copy on Adecron website). Some of these:			
Campden HACCP Documentation Software	Campden & Chorleywood (UK)	£450	www.campden.co.uk
doHACCP	Norbackley, Ley & Assoc (USA)	US\$675 for “do module”	www.norbackley.com; or www.dohaccp.com
Encos Firm	Encos Global Systems (NZ)	On request	www.encos.com
HACCP Now (was HACCP 2000)	Associated Software Developers (UK)	US\$495 to US\$1,095	www.haccpnow.co.uk; or www.asdnetwork.com
HACCP ProActive	ServeTech	\$399	www.safetyware.com
HACCP Wizzard	T.Bowring & Assoc (Aus)	Free;AS\$895 for full support	www.haccpwizard.com.au
QSA HACCP (integrates with Specifications and ProductVine (R&D) modules)	QSA (UK)	AS\$2,700	www.qsa.co.uk
Manufacturing software:			
Last count: 80 packages available of which 28 for E.R.P. (Enterprise Resource Planning). Overview by Kevin T. Higgins and Olin Thompson in Food Engineering “Make it, Pack it, Trace it, Track it”, May 2004. with the “Manufacturing Software Guide 2004”. Covers 80 packages and ticks for 17 features (Batch/Machine control, SPC/SQC, QA/Lims, Predictive/Adaptive Control, E.R.P, production scheduling, supply & logistics, etc). Website: www.foodengineeringmag.com			
Experimental Design and Analysis Software			
Sometimes included in general statistics packages (e.g. MiniTab14 Aus\$1,800) or as add-on (SAS-QC, Statistica [Base 6.1 plus DOE NZ\$2,980] and Statsoft). Often limited design options and not very user friendly for non-statisticians. Assumes statistical design knowledge.			
Tailor-made are:			
Design Expert ☆☆☆ (DOE, historic data analysis)	Stat-Ease	US\$995	www.statease.com
D.o.E. Fusion Pro ☆☆☆ (DOE, historic data, MSA)	S-Matrix Corp	US\$495	www.s-matrix-corp.com
ECHIP ☆☆☆ (DOE)	ECHIP Inc. (USA)	US\$1,495 + \$180 p.a.	www.echip.com.
Modde (DOE and multivariate)	Umetrics (Sweden)	US\$1,109	www.umetrics.com
Unscrambler Designer (included in discontinued Guideline☆☆☆) (DOE, multivariate)	Camo Norway	US\$800	www.camo.no

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ⁱ Stars out of 5. Quoted from reviews by Anny Dentener, published in FTNZ, and available as pdf files at www.adecron.co.nz