

TRENDS IN DYNAMIC FORMULATION

By Maika Willemsen

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2. TRANSFORM RESEARCH INTO SCIENCE
3. SUSTAINABILITY
4. CONNECT FARM DATA
5. PRECISION FEEDING

DYNAMIC FORMULATION INTRODUC

FROM DATA



Samples



Research



Models

animal, economic...



Legislation



Equations



Animal

performance figures





Ration calculation

Precision feeding

Customized products...

TODAY

WHO

IS

INVOLVE



Samples



Research



Models

animal, economic...



Legislation



Equations



Animal

performance figures

Software solution

Ration calculation

Precision feeding

Customized products

...



Farmers



Purchasers



Formulators



Animals



Advisors



Scientists



Labs

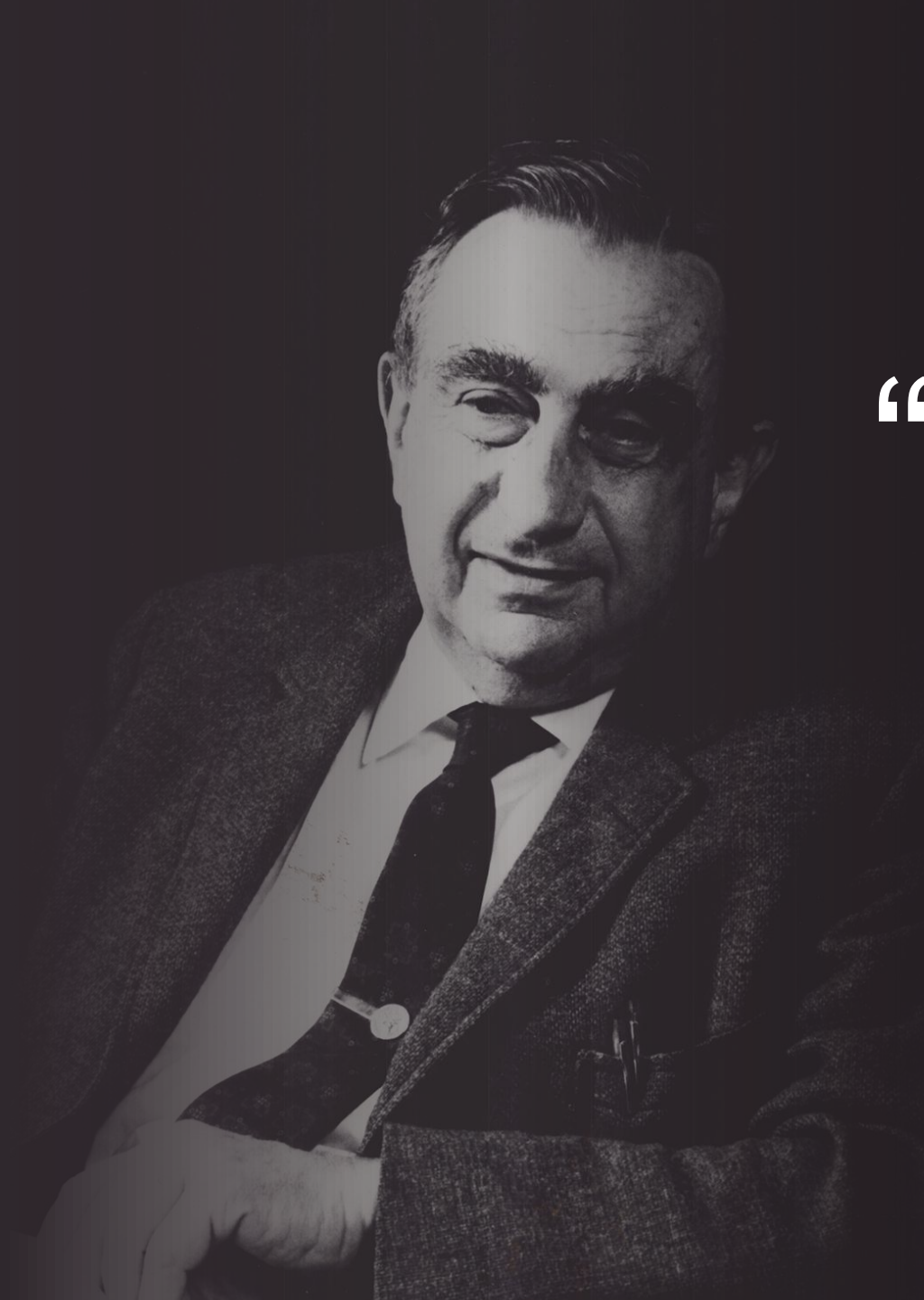


Retail



Consumers

DYNAMIC FORMULATION TRANSFORMING RESEARCH INTO ACTION



“The science of
today is the
technology of
tomorrow”
- Edward Teller

TRANS FORM RESEA RCH



Short time to market with central, cloud-based system



Include local insights in globally accepted industry standard animal models



Use of enzymes and prebiotics in formulation and model their effect on the overall animal performance



Apply the global/local standard of your choice

TRANSF ORM RESEAR CH



**Innovation in animal
modelling as key
differentiator for your
business**



Include local insights in globally accepted industry standard animal models

	Dairy	Beef	Small ruminants	Swine	Poultry	Horse
CNCPS	X	X				
NRC	X	X	X	X	X	X
CVB	X	X	X	X	X	X
FiM	X					
INRA	X	X	X	X		
BR-Corte	X	X			X	
GfE	X	X				

HomeMainManagementPrecision

<All sites>

<All customers>

No dimension

Settings

Malka Willemsen

Recipes

Rations

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Product masters

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DLC_CNCPS_Mid - Dairy Lactating Cow C

Save and close

Save

Save as

Save concentrate...

Close

Refresh

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Optimize

Nutrient control

Parameters

Material evaluation

Livestock feeding

Update concentrate

Post processing

Calculate

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Item report

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Snapshot

Compare prices

Reference

Optimetics

Edit ration DLC_CNCPS_Mid - Dairy Lactating Cow CNCPS Mid | Site HQ (Customer DAIRY FARM 1)

General

Parameters

Composition

Consolidated composition

Internal constraints

Consolidated internal constraints

Consolidated external constraints

Loading sheet

Feeding sheet

Total weight : 45,9813 kg

Total weight DM : 22,0485 kg

Total price : 6,98 € (+0.13)

Milk Production : 30,0 kg

En Allow Milk : 32,41 kg

Prot Allow Milk : 34,75 kg

CNCPS Rumen pH : 6,46 pH

Days To Change CS : 240,13 days

DCAD1 : 0,00 meq/kg

Milk Fever Risk : 0,00 %

ME rum CNCPS : 56,41 Mcal

MP CNCPS : 2.259,88 g

Optimization status : Optimal

Composition

Code	Description	DM material	Mix	Use	Type	Minimum	Maximum	Weight (kg)	kg DM
A3027	Corn Silage Processed 40 DM 41 NDF Medium	40,00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	%			32,3615	12,94...
A1025	Beet Pulp Wet 34 NFC	23,00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	%		20,0000	4,7226	1,0862
D_LC...	Concentrate Dairy Cow	89,19	<input type="checkbox"/>	<input checked="" type="checkbox"/>	%		40,0000	3,8445	3,4290
A4041	Alfalfa Hay 17 CP 43 NDF 20 LNDF	90,00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	%			2,6851	2,4166
A2027	Soybean Meal 47.5 Solvent	90,00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	%			1,9078	1,7170
A2039	Urea 281 CP	99,00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	%		1,0000	0,4598	0,4552

Analysis

CNCPS655 - CNCPS Nutrient Selection Table - Lo

Total

Code	Description	Unit	Type	Use	Value	Minimum	Maximum	Target	Difference %	Difference abs	Cost/unit	From	Till
0010	DM	kg	Absolute	<input checked="" type="checkbox"/>	22,05	22,05	22,05				0,86	21,58	22,16
0010	DM	%	On product	<input checked="" type="checkbox"/>	47,95								
0300	Forage	%	On DM	<input checked="" type="checkbox"/>	72,50	50,00	72,50				-0,23	72,50	72,50
174...	MP CNCPS	g	Absolute	<input checked="" type="checkbox"/>	2.259,88	2.054,43	2.259,88	2.054,43	10,00	205,44	-0,01	2.24...	2.312,88
122...	ME rum CN...	Mcal	Absolute	<input checked="" type="checkbox"/>	56,41	52,27	57,50	52,27	7,91	4,14			
286...	MP His CN...	g	Absolute	<input checked="" type="checkbox"/>	57,91			47,76	21,24	10,14			
287...	MP Ile CNC...	g	Absolute	<input checked="" type="checkbox"/>	117,33			97,41	20,45	19,92			
288...	MP Leu CN...	g	Absolute	<input checked="" type="checkbox"/>	170,87			188,55	-9,38	-17,68			
291...	MP Phe CN...	g	Absolute	<input checked="" type="checkbox"/>	112,31			104,78	7,19	7,53			
294...	MP Thr CN...	g	Absolute	<input checked="" type="checkbox"/>	110,21			78,41	40,55	31,80			
297...	MP Val CNC...	g	Absolute	<input checked="" type="checkbox"/>	126,26			110,47	14,29	15,79			
290...	MP Met CN...	g	Absolute	<input checked="" type="checkbox"/>	49,12			49,68	-1,14	-0,56			
281...	MP Arg CN...	g	Absolute	<input checked="" type="checkbox"/>	145,56			108,82	38,77	36,74			
295...	MP Trp CN...	g	Absolute	<input checked="" type="checkbox"/>	32,87			29,40	11,80	3,47			
289...	MP Lys CN...	g	Absolute	<input checked="" type="checkbox"/>	157,74			142,29	10,86	15,45			
4100	Ca Absorb	g	Absolute	<input checked="" type="checkbox"/>	75,60	58,14	87,21	58,14	30,03	17,46			
4110	P Absorb	g	Absolute	<input checked="" type="checkbox"/>	49,67	46,75	54,13	49,21	0,92	0,45			
4120	Mg Absorb	g	Absolute	<input checked="" type="checkbox"/>	8,34	6,44	19,33	6,44	29,42	1,90			
4130	K Absorb	g	Absolute	<input checked="" type="checkbox"/>	295,31	204,59	511,48	204,59	44,34	90,72			
4170	S Absorb	g	Absolute	<input checked="" type="checkbox"/>	44,86	44,10	59,53	44,10	1,74	0,77			
4140	Na Absorb	g	Absolute	<input checked="" type="checkbox"/>	52,52	45,55	136,65	45,55	15,31	6,97			
4150	Cl Absorb	g	Absolute	<input checked="" type="checkbox"/>	64,70	48,89	66,00	48,89	32,34	15,81			
4630	Fe Absorb	mg	Absolute	<input checked="" type="checkbox"/>	461,53			30,08	1.434,48	431,45			
4660	Zn Absorb	mg	Absolute	<input checked="" type="checkbox"/>	187,76	146,94	293,88	146,94	27,78	40,82			
4600	Co Absorb	mg	Absolute	<input checked="" type="checkbox"/>	4,85	4,85	9,70	4,85	-0,00	0,00	0,24	4,85	4,85
4620	I Absorb	mg	Absolute	<input checked="" type="checkbox"/>	41,90	10,50	42,00	10,50	299,03	31,40			
4640	Mn Absorb	mg	Absolute	<input checked="" type="checkbox"/>	9,02	2,34	9,37	2,34	284,92	6,68			
4650	Se Absorb	mg	Absolute	<input checked="" type="checkbox"/>	7,37	6,61	9,92	6,61	11,46	0,76			
4610	Cu Absorb	mg	Absolute	<input checked="" type="checkbox"/>	13,78	9,97	14,96	9,97	38,21	3,81			
3800	Vit-A Absor...	KIU	Absolute	<input checked="" type="checkbox"/>	131,25	80,21	160,42	80,21	63,64	51,04			
3810	Vit-D Absor...	KIU	Absolute	<input checked="" type="checkbox"/>	43,75	21,88	43,75	21,88	100,00	21,88	-0,04	43,75	43,75
3820	Vit-E Absor...	IU	Absolute	<input checked="" type="checkbox"/>	875,00	875,00	1.750,00	583,33	50,00	291,67			

6 visible

32 visible

Connected to Feed And Ration Demo Master logged in as Malka Willemsen

Home

Main

Management

Precision

<All sites>

<All customers>

No dimension

Settings

Maika Willemssen

Save and close

Save

Save as

Save concentrate...

Close

Refresh

Optimize

Nutrient control

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Material evaluation

Livestock feeding

Update concentrate

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Edit ration DLC_NRC_Mid - Dairy Lactating Cow NRC Mid | Site HQ

General

Parameters

Composition

Consolidated composition

Internal constraints

Consolidated internal constraints

Consolidated external constraints

Loading sheet

Total weight : 43,6106 kg

Total : 100,0000 %

Price list : Dayprice current month

Total price : 6,50 € (+0.14)

Optimization status : Optimal

Batch weight : 1.000,00 kg

Price : 149,15 €/tonne (+1.19)

DM Target : 21,53 kg

Body Weight : 600,00 kg

Milk Production : 30,0 kg

Milk Fat : 3,60 %

Milk Protein : 2,90 %

Days In Milk : 120 d

En Allow Milk : 36,68 kg

Prot Allow Milk : 53,09 kg

Allowable Milk : 36,68 kg

NE Total Bal NRC : 4,6 Mcal

MP Total Bal NRC : 999 g

ADG : 0,05 kg/day

Target Fat Yield : 1,32 kg/day

Target Protein Yield : 1,06 kg/day

Income Over Feed Cost : 11,27 \$

Composition

Code	Description	DM material	Mix	Use	Type	Minimum	Maximum	Weight (kg)	kg DM
A3027	Corn Silage Processed 40 DM 41 NDF Medium	40,00			%			31,4523	12,58...
D_LC...	Concentrate Dairy Cow	89,19			%		40,0000	3,8445	3,4290
A1025	Beet Pulp Wet 34 NFC	23,00			%		20,0000	2,9685	0,6828
A4041	Alfalfa Hay 17 CP 43 NDF 20 LNDF	90,00			%			2,6708	2,4038
A2027	Soybean Meal 47.5 Solvent	90,00			%			2,3862	2,1476
A2039	Urea 281 CP	99,00			%		1,0000	0,2882	0,2853

Analysis

Total

Code	Description	Unit	Type	Value	Use	Minimum	Maximum	Target	Difference %	Lower limit	Upper limit	Differ
0010	DM	kg	Absolute	21,53		f(w)	21,53	f(w)	21,53	f(w)	21,53	0,00
0010	DM	%	On product	49,37								
0300	Forage	%	On DM	72,50			50,00		72,50			
1280	NEI	Mcal	Absolute	f(w)	35,45			f(w)	30,81			15,05
1700	RDP	g	Absolute	f(w)	2.274,54			f(w)	2.186,54			4,02
1710	RUP	g	Absolute	f(w)	1.961,01			f(w)	866,71			126,26
1740	MP	g	Absolute	f(w)	3.081,70			f(w)	2.082,49			47,98
4100	Ca Absorb	g	Absolute		74,36		f(w)	58,14	f(w)	87,21	f(w)	60,18
4110	P Absorb	g	Absolute		50,90		f(w)	46,75	f(w)	54,13	f(w)	49,73
4120	Mg Absorb	g	Absolute		8,32		f(w)	6,44	f(w)	19,33	f(w)	6,32
4130	K Absorb	g	Absolute		291,94		f(w)	204,59	f(w)	511,48	f(w)	199,13
4140	Na Absorb	g	Absolute		45,55		f(w)	45,55	f(w)	136,65	f(w)	41,70
4150	Cl Absorb	g	Absolute		59,08		f(w)	48,89	f(w)	66,00	f(w)	48,00
4170	S Absorb	g	Absolute		45,33		f(w)	44,10	f(w)	59,53	f(w)	43,06
4600	Co Absorb	mg	Absolute		4,85		f(w)	4,85	f(w)	9,70	f(w)	2,37
4610	Cu Absorb	mg	Absolute		13,99		f(w)	9,97	f(w)	14,96	f(w)	9,26
4620	I Absorb	mg	Absolute		41,90		f(w)	10,50	f(w)	42,00	f(w)	9,00
4630	Fe Absorb	mg	Absolute		450,12				f(w)	30,00		1.400,41
4640	Mn Absorb	mg	Absolute		8,85		f(w)	2,34	f(w)	9,37	f(w)	2,10
4650	Se Absorb	mg	Absolute		7,35		f(w)	6,61	f(w)	9,92	f(w)	6,46
4660	Zn Absorb	mg	Absolute		187,91		f(w)	146,94	f(w)	293,88	f(w)	147,00
3800	Vit-A Absorb...	KIU	Absolute		131,25		f(w)	80,21	f(w)	160,42	f(w)	66,00
3810	Vit-D Absorb...	KIU	Absolute		43,75		f(w)	21,88	f(w)	43,75	f(w)	18,00
3820	Vit-E Absorb...	IU	Absolute		875,00		f(w)	875,00	f(w)	1.750,00	f(w)	480,00
174...	MP CNCPS	g	Absolute		2.252,95		f(w)	2.048,14	f(w)	2.252,95	f(w)	2.048,14
122...	ME rum CN...	Mcal	Absolute		56,00		f(w)	52,02	f(w)	57,22	f(w)	52,02
286...	MP His CNC...	g	Absolute		58,07				f(w)	47,63		21,93
287...	MP Ile CNCPS	g	Absolute		117,35				f(w)	97,22		20,70
288...	MP Leu CNC...	g	Absolute		170,16				f(w)	188,07		-9,52
291...	MP Phe CN...	g	Absolute		112,64				f(w)	104,51		7,78
294...	MP Thr CNC...	g	Absolute		109,69				f(w)	78,17		40,33
297...	MP Val CNC...	g	Absolute		125,59				f(w)	110,20		13,97
290...	MP Met CN...	g	Absolute		48,58				f(w)	49,57		-2,00
281...	MP Arg CNC...	g	Absolute		147,85				f(w)	108,34		36,47
295...	MP Trp CNC...	g	Absolute		33,01				f(w)	29,32		12,59

6 visible

36 visible

Connected to Feed And Ration Demo Master logged in as Maika Willemssen

TESTING THE

For years, we have relied on theoretical models developed by universities.

But these don't always reflect the complexity of real farm conditions...

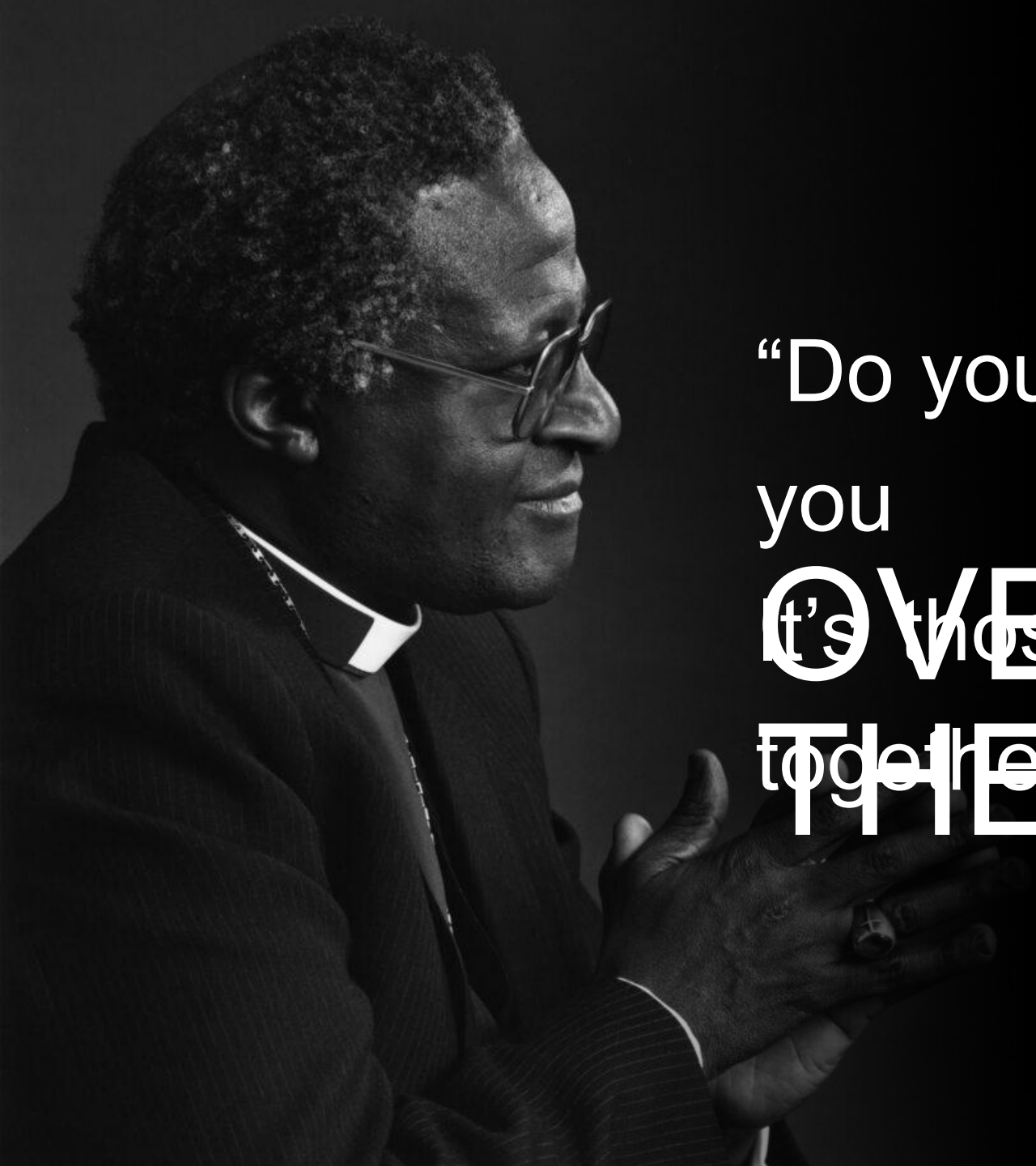
GO THE EXTR

AI allows us to move beyond these
limitations

Real-time farm data + AI models
=
Next level precision feeding

Turning data into real value for farmers
and the industry

DYNAMIC FORMULATION SUSTAINA



“Do your little bit of good where
you are.

It's those little bits of good put
together that
**OVERWHELM
THE WORLD**”

- *Desmond Tutu*

HOW YOU DESIGN

...Makes a difference for the environment



Feed production is a big contributor to environmental impact

CALCULATE ENVIRONMENTAL FOOTPRINT FOR A FEEDING PROGRAM

Ration projects

S_GF_RYEOpteinics - Swine Grower/Finis

Save and close

Save

Close

Refresh

Customer values

Site filter

Optimize

Calculate project

Calculate

Result parameters

Evaluation parameters

Item report

Export

Opteinics

Edit ration project S_GF_RYEOpteinics - Swine Grower/Finisher Rye + Opteinics (Customer PIG FARM 1 (2 BARNS)) - Site filter on USA

General

Parameters

Rations

Materials

Nutrients

Overview

Side by side

Price list : Dayprice current month

Batch weight : 907,18 kg

Start date : 27-12-2022

Finish date : 8-7-2023

Number of Animals : 100 -

Starting weight : 50,00 kg

Finished weight : 200,00 kg

Actual DOF : 193,00 d

Actual BWG : 150,73 g

Actual feed:gain : 3,65 g/g

Feed cost/hd/d : 0,00 \$

Feed cost/hd : 0,00 \$

Feed cost : 21.100,69 \$

Water use : 1.703,0058 m3 world eq

Eutrophication, marine : 37,6286 mol N eq

Eutrophication, freshwater : 2,4248 kg P eq

Eutrophication, terrestrial : 425,4721 mol N eq

Land use : 457.695,8635 kg C deficit eq

Resource use, fossil : 251.914,1624 MJ

Particulate Matter : 0,0008 Disease incidences

Acidification : 103,6481 mol H+ eq

Ozone depletion : 0,0001 kg CFC-11 eq

Climate Change : 3.669,8225 kg CO2-eq

Single Score Impact : 0,7638 Person years

Allowed price deviation (%) :

Rations

+ ...

S_GF_RYE1 - Swine Feeder to Finish Rye - Phase 1 - Site USA - Customer PIG FARM 1 (2 BARNS)

Composition

Analysis

Parameters

Status

Code

Description

Use

Price

Weight

Optimal

S_GF_RYE1

Swine Feeder to Finish Rye - Phase 1

✓

0,77

2,1189

Optimal

S_GF_RYE2

Swine Feeder to Finish Rye - Phase 2

✓

0,92

2,5042

Optimal

S_GF_RYE3

Swine Feeder to Finish Rye - Phase 3

✓

0,98

2,7502

Optimal

S_GF_RYE4

Swine Feeder to Finish Rye - Phase 4

✓

0,99

2,9116

Optimal

S_GF_RYE5

Swine Feeder to Finish Rye - Phase 5

✓

1,01

3,0174

Optimal

S_GF_RYE6

Swine Feeder to Finish Rye - Phase 6

✓

1,07

3,0877

Code

Description

Stat...

Use

Minimum

Maximum

%

% DM

% ref

Type

On type

Cost/u...

From

Till

N402861

Corn, Yellow Dent

✓

✓

50,0000

60,0000

60,00...

58,98...

61,38...

%

60,00...

-2,19

53,9...

62,55...

N404047

Rye

✓

✓

16,0000

25,0000

18,66...

18,57...

17,94...

%

18,66...

N504602

Soybean Meal, Expelled

✓

✓

15,0000

25,0000

18,54...

19,37...

19,97...

%

18,54...

601069

Calcium carbonate

✓

✓

0,8000

1,5000

0,9689

1,0571

0,0000

%

0,9689

588

Monocalcium phosphate

✓

✓

0,5000

1,0000

0,6181

0,6812

0,0000

%

0,6181

N604152

Sodium chloride

✓

✓

0,2500

0,3500

0,3500

0,3819

0,0000

%

0,3500

-1,97

0,25...

2,6483

599

L-Lysine HCL

✓

✓

0,3000

0,4500

0,3000

0,3290

0,3933

%

0,3000

52,47

0,27...

0,3238

VIT_PMX01

Vitamin Premix 01

✓

✓

0,2000

0,3000

0,2000

0,2183

0,0000

%

0,2000

64,99

-0,00...

0,3000

A5080

Trace Mineral Premix

✓

✓

0,1250

0,1500

0,1250

0,1385

0,0000

%

0,1250

10,99

-0,00...

0,1500

0040

L-Threonine

✓

✓

0,1250

0,1500

0,1250

0,1385

0,1422

%

0,1250

17,86

0,05...

0,1500

0039

DL-Methionine

✓

✓

0,1000

0,1400

0,1000

0,1110

0,1613

%

0,1000

15,35

0,06...

0,1400

DYNAMIC FORMULATION CONNECT

CONNECT FARM DATA WITH

Take sample at farm



Analyze nutritional values

Collect in software
solution

R.

R.

Home Main Management Precision

Samples D_LC_CNCPS_ML - Lactating Dairy Cow

Create new Create customer s... Copy Edit Delete Refresh Hide general items Sample processing Batch processing

All samples
Roughage Samples

Code	Description	Template ingredient
S01	Corn silage 1	Corn Silage Processed 35 DM...
S02	Corn silage 2	Corn Silage Processed 35 DM...
S03	Corn silage 3	Corn Silage Processed 35 DM...

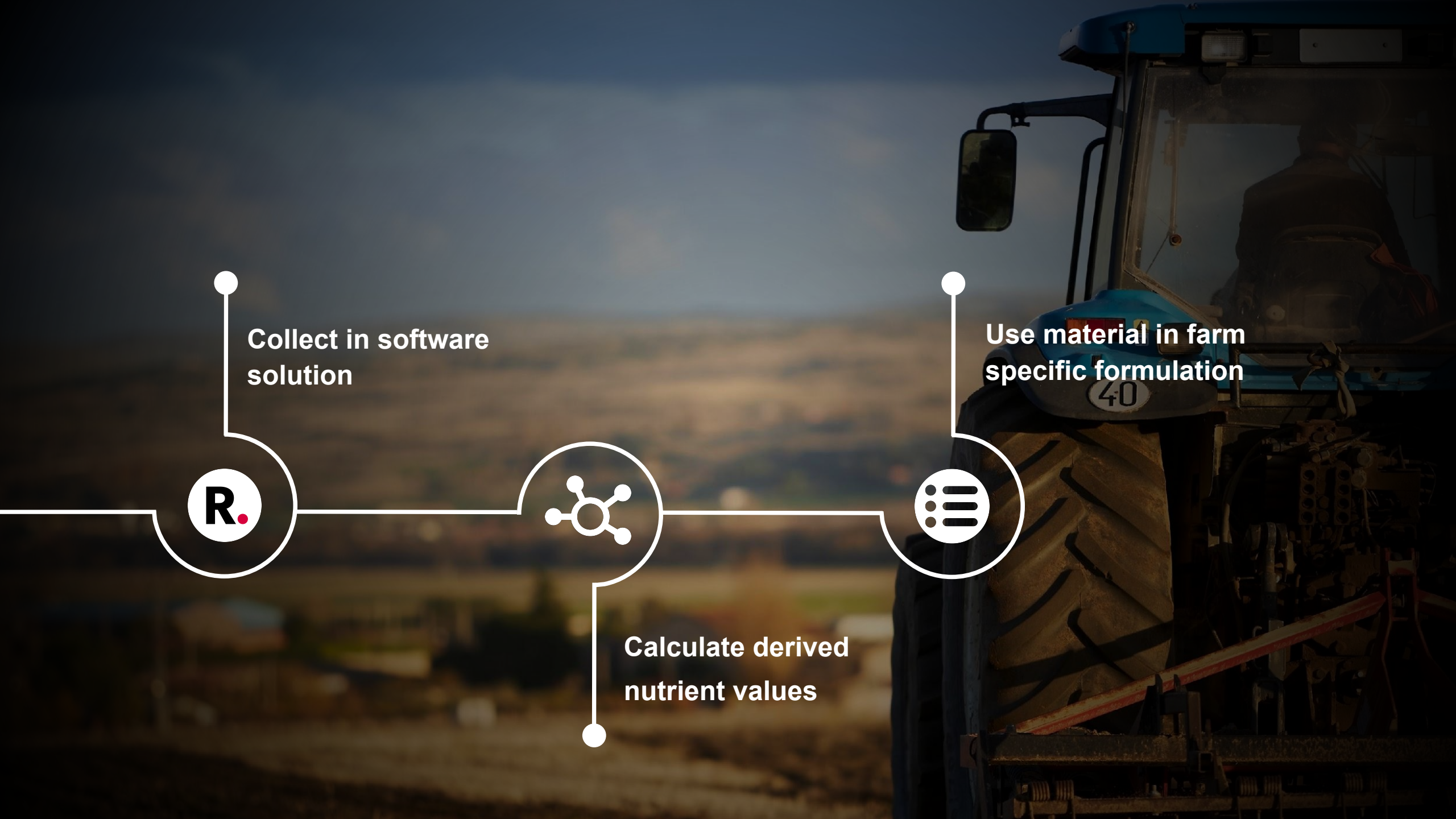
**Collect in software
solution**

R.



**Calculate derived
nutrient values**

**Use material in farm
specific formulation**



The screenshot shows the 'Feed and Ration Demo' software interface. The top status bar indicates 'Connected to Feed And Ration Demo logged in as Maika Willemsen'. The main window is divided into several panes. On the left, a 'Label Nutrients' list is visible, showing a tree structure with 'a) Preservatives', 'b) Antioxidants', and 'c) Fat-soluble vitamins'. The right pane displays the 'RATIOS' tab, which contains a table of nutrient values. The table has two columns: 'Value' and 'Unit'. The rows are as follows:

Value	Unit
0550	Butyric
0555	Essential
0560	Other As
0565	OA, total
0570	Soluble F
0571	WSC

At the bottom of the interface, there are navigation buttons: '<<', '<', '>', and '>>'.

Save and close

Save

Save as

Save concentrate...

Close

Refresh

Customer values

Optimize

Nutrient control

Parameters

Material evaluation

Livestock feeding

Update concentrate

Post processing

Calculate

Result parameters

Item report

Overview report

Snapshot

Compare prices

Edit ration DLC_CNCPS_Mid - Dairy Lactating Cow CNCPS Mid | Site HQ (Customer DAIRY FARM 1)

Total weight :	49,8804 kg	MP CNCPS :	2.254,14 g
Total weight DM :	22,0485 kg	Optimization status :	Optimal
Total price :	7,21 € (+0.37)		
Milk Production :	30,0 kg		
En Allow Milk :	32,24 kg		
Prot Allow Milk :	34,73 kg		
CNCPS Rumen pH :	6,46 pH		
Days To Change CS :	258,77 days		
DCAD1 :	0,00 meq/kg		
Milk Fever Risk :	0,00 %		
ME rum CNCPS :	56,42 Mcal		

Composition

Code	Description	Price	Mix	Use	Type	Minimum	Maximum	Weight (kg)	kg DM
A3027	Corn silage sept '25	70,00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	%			36,6630	12,95...
A1025	Beet Pulp Wet 34 NFC	275,58	<input type="checkbox"/>	<input checked="" type="checkbox"/>	%		20,0000	4,2017	0,9664
D_LC_C...	Concentrate Dairy Cow	389,32	<input type="checkbox"/>	<input checked="" type="checkbox"/>	%		40,0000	3,8445	3,4290
A4041	Alfalfa Hay 17 CP 43 NDF 20 LNDF	198,00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	%			2,6744	2,4069
A2027	Soybean Meal 47.5 Solvent	498,20	<input type="checkbox"/>	<input checked="" type="checkbox"/>	%			1,9980	1,7982
A2039	Urea 281 CP	937,72	<input type="checkbox"/>	<input checked="" type="checkbox"/>	%		1,0000	0,4988	0,4938

Analysis

CNCPS655 - CNCPS Nutrient Selection Table - Lo x

Total									
Code	Description	Unit	Type	Use	Value	Minimum	Maximum	Target	Differ
0010	DM	kg	Absolute	<input checked="" type="checkbox"/>	= 22,049	= 22,049	= 22,049		
0010	DM	%	On product	<input checked="" type="checkbox"/>	44,20				
0310	Conc	%	On product	<input checked="" type="checkbox"/>	12,16				
0300	Forage	%	On product	<input checked="" type="checkbox"/>	32,05				
0300	Forage	%	On DM	<input checked="" type="checkbox"/>	72,50	50,00	72,50		
0040	CP	%	On product	<input checked="" type="checkbox"/>	9,76				
0811	SP %CP	%CP	On product	<input checked="" type="checkbox"/>	49,13				
0801	NPN %SP	%SP	On product	<input checked="" type="checkbox"/>	12,76				
0841	ADIP %CP	%CP	On product	<input checked="" type="checkbox"/>	7,43				
0831	NDIP %CP	%CP	On product	<input checked="" type="checkbox"/>	16,06				
0500	Sugar	%	On product	<input checked="" type="checkbox"/>	2,34				
0060	Starch	%	On product	<input checked="" type="checkbox"/>	6,67				
0505	Sugar + Star...	%	On product	<input checked="" type="checkbox"/>	9,01				
0110	ADF	%	On product	<input checked="" type="checkbox"/>	9,71				
0590	aNDFom	%	On product	<input checked="" type="checkbox"/>	15,45				
0580	peNDF	%	On product	<input checked="" type="checkbox"/>	12,04				
0581	peNDF %NDF	%N...	On product	<input checked="" type="checkbox"/>	73,46				
0121	Lignin %NDF	%N...	On product	<input checked="" type="checkbox"/>	7,84				
0030	Ash	%	On product	<input checked="" type="checkbox"/>	2,67				
0050	Fat (EE)	%	On product	<input checked="" type="checkbox"/>	1,44				
0520	Lactic	%	On product	<input checked="" type="checkbox"/>	1,54				
9500	Forage NDF	%	On product	<input checked="" type="checkbox"/>	13,52				
9502	ForageNDF...	%BW	On product	<input checked="" type="checkbox"/>	0,02				
0515	NFC CNCPS	%	On product	<input checked="" type="checkbox"/>	16,68				
2101	MET %CP	%CP	On product	<input checked="" type="checkbox"/>	1,53				
2091	LYS %CP	%CP	On product	<input checked="" type="checkbox"/>	3,35				
2011	ARG %CP	%CP	On product	<input checked="" type="checkbox"/>	2,92				
2141	THR %CP	%CP	On product	<input checked="" type="checkbox"/>	2,50				

DYNAMIC FORMULATION PRECISION



The cloud as a platform
to gather all intel



KPI monitoring on farm

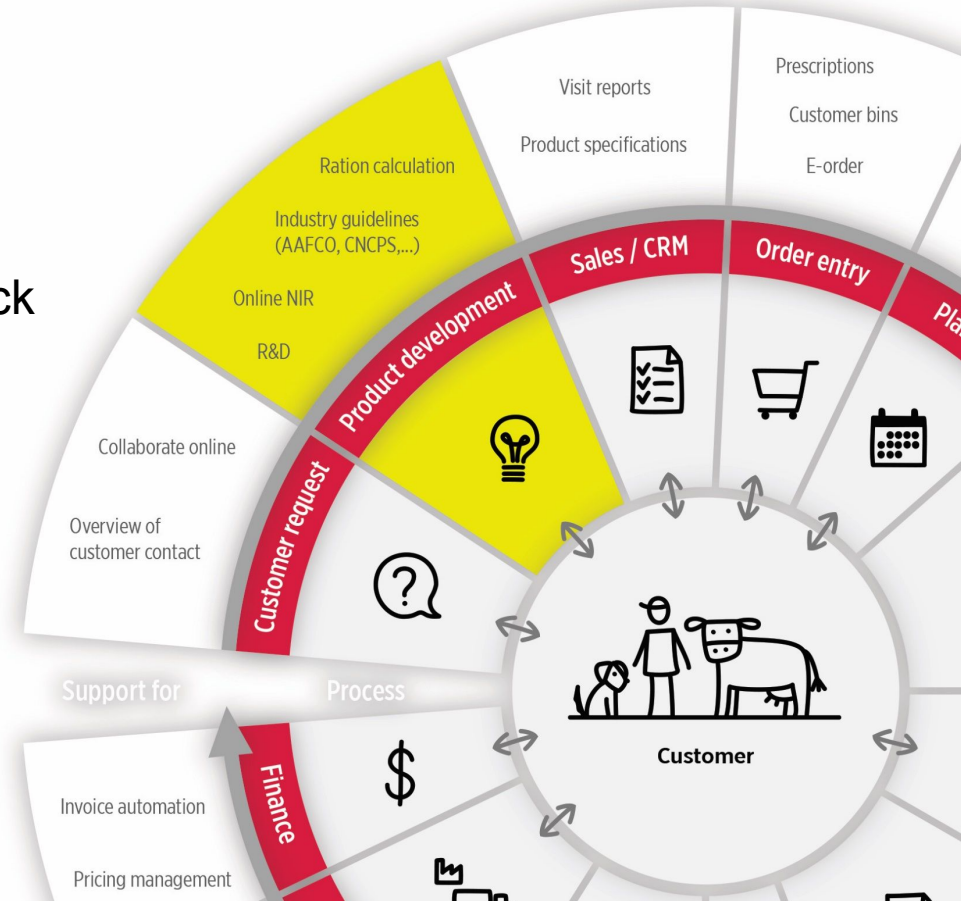


Prepare detailed advice
per (group of) animal(s)



Organize your livestock

**Ration advice tuned to the exact
needs of the animal**



Home

Main

Management

Precision

<All sites>

DAIRY_01 - DAIRY FARM

Settings

Karel Ver

Customers

DAIRY_01 - DAIRY FARM 1

Save and close

Save

Close

Refresh

View cross references

Edit customer DAIRY_01 - DAIRY FARM 1

General

Contact info

Parameters

Locations

Animal groups

Livestock

Production parameters

Own materials

Shared users

Definition

Animals

1 - High lactation : 2 (2)

2 - Mid lactation : 3 (1)

3 - Low lactation : 1 (2)

4 - Dry cows : 0 (0)

Undefined : 0

Total : 6

Import animals

Regroup

Per animal

Average per stage

Animal	Current stage	Previous stage	Milk Prod - kg	Milk Fat - %	Milk Protein - %	Days In Milk - d
BELLA	1 - High lactation	High lactation	42,0	3,50	3,00	80
BETTY	2 - Mid lactation	Mid lactation	30,0	3,50	3,00	150
ROSA	2 - Mid lactation	Low lactation	15,0	3,50	3,00	250
MILKA	2 - Mid lactation	Low lactation	22,0	3,50	3,00	190
JETTA	1 - High lactation	High lactation	37,0	3,50	3,00	40
5-7-2022 15:42:48	3 - Low lactation		15,0	3,50	3,00	240

IMPORT AND MONITOR ANIMAL PERFORMANCE FIGURES

Connected to Feed And Ration Demo Master logged in as Karel Vervae

Calculated result: per animal

Show Balanced materials and nutrients

Result	Animal	Current stage	Total weight basis	Parameters			Nutrients		Balanced materials	
				Milk Prod - kg	Days In Milk - d	Lactation Number...	Target DM - kg	Result DM - kg	Concentrate Dairy...	
BC	BC	BC	=	BC	BC	BC	=	=	=	
✓	BELLA	High lactation	41,0806	42,0	80	3	24,94	24,94	5,3481	
✓	JETTA	High lactation	41,0806	37,0	40	3	23,51	23,51	3,7184	
✓	BETTY	Mid lactation	28,2398	30,0	150	3	21,51	21,51	4,6969	
✓	ROSA	Mid lactation	27,9660	15,0	250	3	17,21	17,21	0,0000	
✓	MILKA	Mid lactation	28,2398	22,0	190	3	19,22	19,22	2,0895	
✓	5-7-2022 15:42:48	Low lactation	19,4690	15,0	240	3	16,84	16,84	4,2376	

PERSONALIZED ADVICE PER ANIMAL

Cancel

← Previous

Next →

NutriForum25 BESTMIX

SOFTWARE feeding the future

Questions?



Maika Willemsen

Product specialist Ration | Product
Owner



maika.willemsen@bestmix.com