VETWARE PRIVATE LIMITED

DAIRY ANIMAL PRODUCTIVITY ENHANCEMENT / GENETIC IMPROVEMENT PROGRAMS

With

HERDMAN

(ANIMAL DATA RECORDING SYSTEM)

Validated Under projects supported by

National Bank for Agricultural and Rural Development, Mumbai
India Country Development Marketplace Award -World Bank, New Delhi

Extensively tested at

Chitale Dairy / NDRI / Hatsun / Prabhat / and Commercial farms all over India

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Herdman Networking Solutions:

Herdman has been developed in modular form so that in different phases additional modules could be added: The modules are:

1. **Core Module** including Master entries, Breeding, production, health lifetime records, reports and herd performance analysis
2. **AI-Breeding Services**
3. **Milk Production Recording and analysis**
4. **Health Module:** Data on vaccination, disease diagnosis, treatment, sickness episodes, etc. can be stored and analyzed.
5. **Tele-**veterinary Services
6. **Dashboard-** Service tracking, Staff field tracking, Body Condition Scoring
7. **Service charges online deduction**
8. **SMS / notification services**

Salient Features of Herdman:

- The program enables maintaining of lifetime animal records of **cows** and buffaloes
- The records of cow and buffalo are maintained in the same database, but the data analysis and report generation can be undertaken separately.
- The data analysis capability **for different breeds of cow**
- The program can be custom designed for different breeds by defining parameters
- The data can be analyzed as fertility and production indices
- Generates daily action lists for smooth farm / service management

- The software is window-based and provides the computing and analysis and networking strength of VB.Net and SQL-Server (Oracle) as database.
- It is icon / menu driven hence even a moderately literate farmer can operate the software without any difficulty.
- The records of all categories of animals, such as, calves, heifers, adults, breeding bulls and working bullocks can be maintained.
- The records of culled, sold or died animals maintained in archive files that can be retrieved easily to analyze the data

What Data can be maintained? Following categories of data can be maintained:
- All estrus and AI events with details such as insemination / skip / natural service, sire details for all the parities and the AI technician details. Details of treatment given at the time of AI

- Based on heat synchronization protocols , the program predicts estrus due
- The results of the pregnancy tests / abortion, etc
- Drying off, udder examination report and treatment records at the time of drying-off
- Calving and relevant details.
- Milk records with composition reports
- All sickness events and treatment records
- Feeding details in respect of each animal
- Animal movement records, sold, culled, died, etc.
- Medicine, semen straw, feed and fodder inventory
- Metabolic profiling records

Customized to divert needs: The program can be custom-designed: The program has been provided with facility of fixing the economic and management default values so that the program can installed as per the need of the dairy set up. Thus the program has flexibility of deployment in diverse dairy management set up.


Core Animal Registration Module:
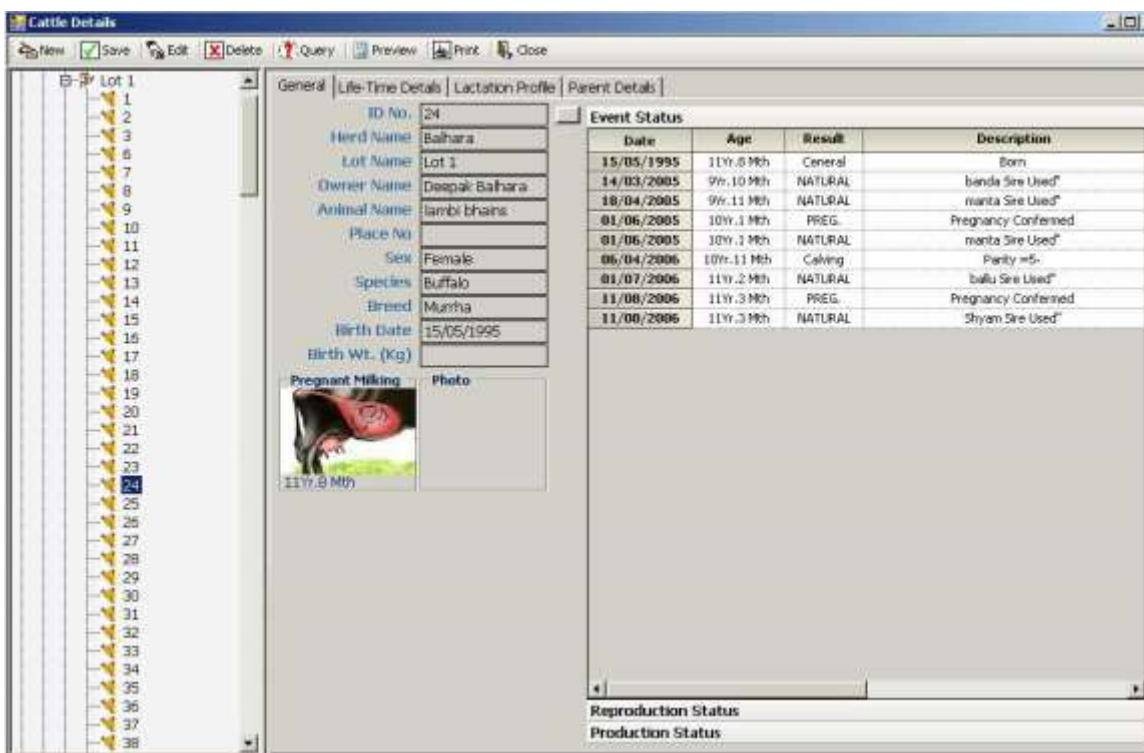
The animals can be registered after creating herds and lots. This makes the animal data access easy and the animals can also be maintained in groups of interest.

The 'Master Parameter' menu p[provides creation of master entries which can be accessed each time an animal is registered. The animal, parent, other details, such as, previous and current parity breeding, production and health records can be entered without any hassle. The missing parity or lactation data does not hamper analysis of the data.

Custom designing of Herdman: The software can be custom designed for use in the farm. The Farm manager can define the breeding, production, health targets and action parameters suitable and applicable to the farm.
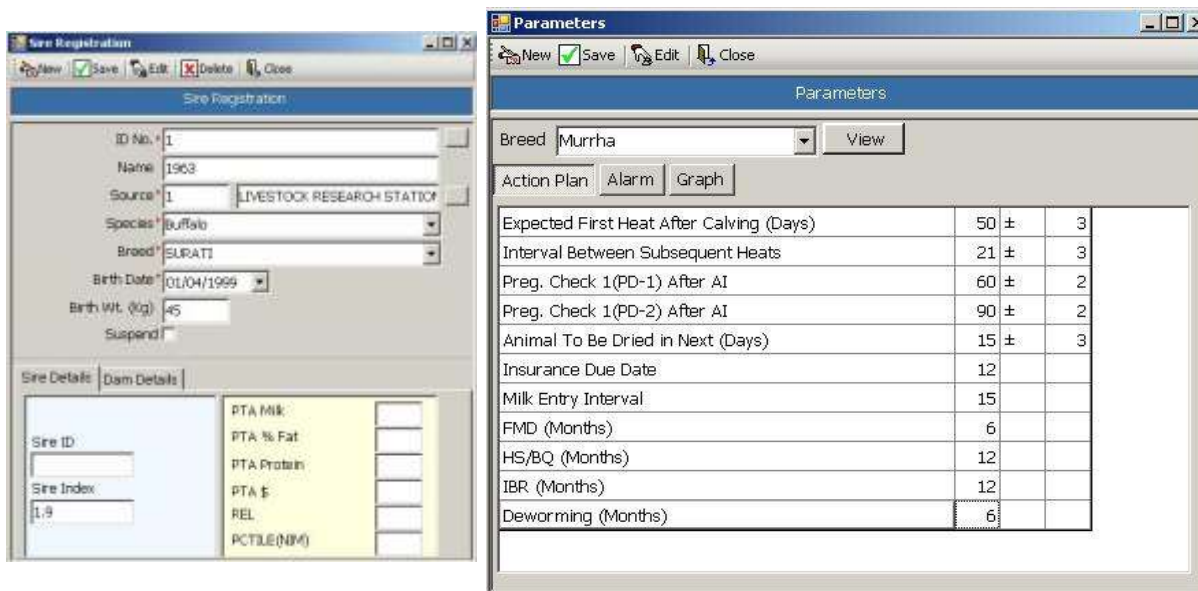
The parameters can be defined for different breeds of animals. Such a facility is available only in Herdman.

Data entry at multi-level: Multi-level data entry is possible. For example in case there are distinct staff carrying out a particular activity, the data entry is possible from a single form. The animal form can be accessed from many levels.

Action and Alarm Lists: Once the animal database is created, daily action and alarm lists can be generated which enables the veterinarian to undertake the management tasks effectively.
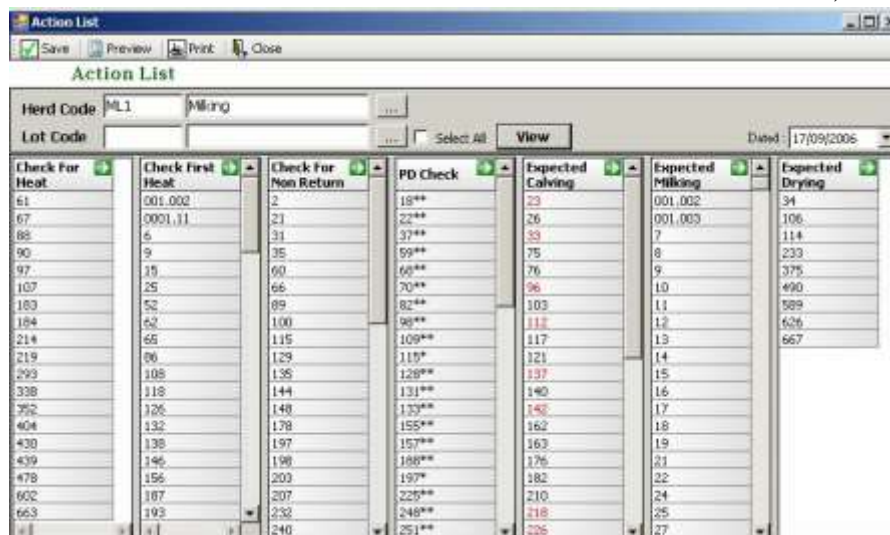
Registers:

Unknown Dairy Farm
Live Female Progeny

Date :-12/12/2006

Herd Name:-Milking

Idno	Birth Date	Name	Age	Place No	Owner Code	Sire	Dam	Status
224	15/08/1996	kundi patali	10Yr.4 Mth	-	003	-	-	Milking
234	15/02/2000	1 No. farasa	6Yr.10 Mth	-	003	-	-	Pregnant Milking
233	15/12/1998	kundi jhoti r	8Yrs	-	003	-	-	Pregnant Milking
232	15/01/1997	tall horn	9Yr.11 Mth	-	003	-	-	Milking
231	15/12/1999	jhoti nasal \	7Yrs	-	003	-	-	Pregnant Dry
230	15/02/2000	kundi	6Yr.10 Mth	-	003	-	-	Pregnant Milking
229	15/02/2000	round horn	6Yr.10 Mth	-	003	-	-	Pregnant Dry
228	15/05/1997	kali kandi	9Yr.7 Mth	-	003	-	-	Pregnant Milking
227	15/02/2000	lambe thun	6Yr.10 Mth	-	003	-	-	Pregnant Milking
215	15/07/1995	bichakani jl	11Yr.5 Mth	-	003	-	-	Milking
225	15/01/1997	pakka chad	9Yr.11 Mth	-	003	-	-	Milking
237	15/11/2000	jhoti	6Yr.1 Mth	-	003	-	-	Milking

Balhara Dairy Farm
Bullwise Progeny

Date :-12/12/2006

banda

Idno	Dam	Birth Date	Age	Ist Lactation Yield
0010.1	001.002	05/06/2005	1Yr.6 Mth	-

Count : 1

Bhanu

Idno	Dam	Birth Date	Age	Ist Lactation Yield
001.222	-	-	-	-

Count : 1

Reports: All types of 'Reports' can be generated, which include administrative as well as technical. There is also facility for custom-designing of the reports as per your need.

'Herdman' is capable of generating several reports that are either for the current date or for the desired period. Reports such as, administrative, milk production, breeding, due for calving, semen utilization, heifer, calves, etc., can be generated with a click. Every report also provides a summary report of the herd or lot for various attributes. You can comply the reports to your administrator with just a click of mouse.

A number of technical reports can also be generated. For example, you can generate a report for animals that are to be pregnancy examined.
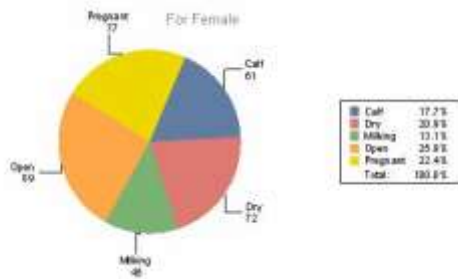
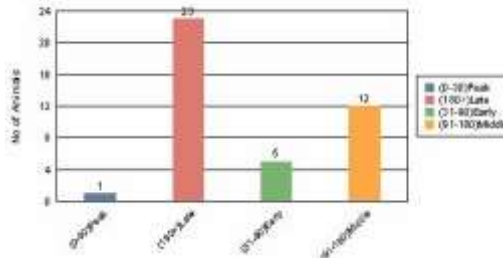**Unknown Dairy Farm**
Damwise Daughter Register

Date :-12/12/2006

001.002

Idno	Sire	Birth Date	Age	1st Lactation Yield
0010.1	banda	05/06/2005	1Yr.6 Mth	-
001.222	-	-	-	-

Count : 2

For Female

Calf	17.7%
Dry	20.9%
Milking	13.1%
Open	25.8%
Pregnant	22.4%
Total:	100.0%

AI Breeding Efficiency

- 1st AI
- 2nd AI
- 3rd AI
- 4>= AI

Profile Animals in Lactation

- (0-30)Peak
- (180-)Late
- (31-90)Early
- (91-180)Middle

Herd Name :Milking

Unknown Dairy Farm

Profile of Animals Open

No of Open Days

- (0-30)
- (31-90)
- (91-180)
- 1-180
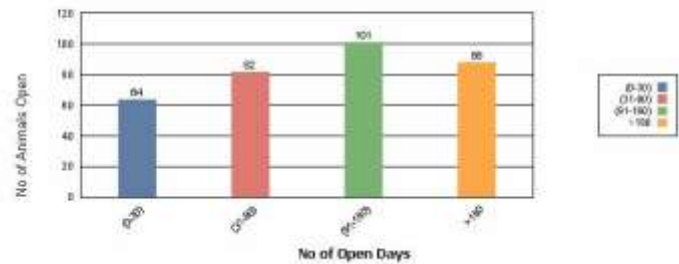
Well Known Dairy
Monthwise Conception during the period Dec-2005 to Dec-2006

April-2006

Idno	Conception Date	No Of A.I	Sire Name
Kanthi(243)	26/04/2006	1	UNKNOWN
Gokul(18)	12/08/2006	1	UNKNOWN
Gyani(135)	16/01/2006	3	UNKNOWN
Heeral(242)	20/06/2006	1	UNKNOWN
Hema(154)	21/12/2005	1	UNKNOWN
Hemu(168)	30/01/2006	2	UNKNOWN
Hemu(168)	30/01/2006	2	UNKNOWN
Jaanaki(46)	23/03/2006	1	UNKNOWN
Jalpari(239)	15/04/2006	1	UNKNOWN
Madhura(5)	05/07/2006	4	UNKNOWN
Kalpana(150)	10/02/2006	1	UNKNOWN
Chandramukhi(20	07/04/2006	3	UNKNOWN
Koyal(257)	25/07/2006	1	UNKNOWN
Krishna(201)	23/12/2005	1	UNKNOWN
Kumkum(235)	11/09/2006	1	UNKNOWN
Kunthi(125)	31/12/2005	2	UNKNOWN
Latori(138)	05/02/2006	1	UNKNOWN

Well Known Dairy

Lactation Record for Milking Animals during the period Aug-2006 to Dec-2006

Print Date - 12/12/2006

Herd Name:-Buffalo

Id No.	Calving Date	L.L	Days											Total(kg.)
			30	60	90	120	150	180	210	240	270	305	>305	
			Milk Yield(kg.)											
Amachali(129)	18/10/2006	55	1810	2398	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A	420.8
Baby(134)	10/10/2006	63	789	2107	198	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A	309.4
Bipula(206)	22/09/2006	81	88.1	1985	1579	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A	444.6
Chaila(170)	16/08/2006	118	1821	2238	2040	2024	4.5	N.A	N.A	N.A	N.A	N.A	N.A	816.9
Gyani(135)	23/11/2006	19	1404	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A	140.4
Hema(154)	11/10/2006	62	30.6	63.4	3.6	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A	97.7
Heera(168)	02/12/2006	10	49.8	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A	49.8
JayaPradha(140)	11/11/2006	31	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A
Kamali(228)	27/08/2006	107	1290	1687	2105	1241	N.A	N.A	N.A	N.A	N.A	N.A	N.A	632.4
Kasha(137)	31/10/2006	42	1606	96.9	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A	257.6
Kavitha(104)	23/08/2006	111	1670	2410	2058	1779	N.A	N.A	N.A	N.A	N.A	N.A	N.A	791.7
Kuntha(125)	21/11/2006	21	1146	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A	114.6
Latori(138)	02/12/2006	10	49.6	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A	49.6
Madhu(145)	10/11/2006	32	1146	10.7	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A	125.2
Manju(189)	17/08/2006	117	1193	1799	2015	1836	N.A	N.A	N.A	N.A	N.A	N.A	N.A	684.3

Semen Straw Inventory Management: Herdman' also automatically maintains the semen straw or bull records. Very time a straw from a bull is used, the records for straw and the bulls are updated and once the animal is confirmed pregnant, the pregnancy is added in the record of the bull. Herdman also produces the bull performance report for the farm. Consolidation of such report from all the farms / village enables calculation of bull indices.

Thus, the Farm Manager can analyze fertility data and take decision on use of different bulls in the farm.

Sire Performance Graph
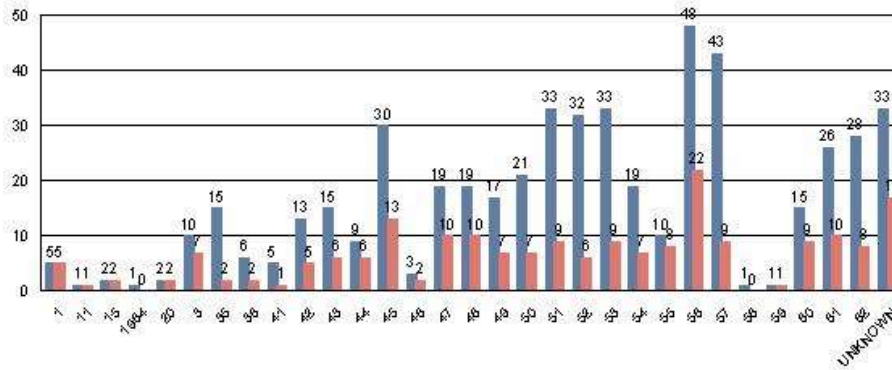
Well Known Dairy
Monthly Expected For Calving

Idno :- 91
Parity :- 8

Lactation Curve

Milk Yield Average(kg)

18.00
16.00
14.00
12.00
10.00
8.00
6.00
4.00
2.00
0.00

30   54   60   90   120   150   180

Days in Milk

16.0   17.0   16.0   13.0   12.0   11.0   11.0
10.5   10.0   10.1   9.0   9.0   9.0   9.0
9.0   9.0   9.0   8.4   8.2   6.5   5.9
8.0   8.0   7.0   6.0   6.0

■ **Standard Milk**
■ **Actual Milk**
■ **Average Milk**
♦ **First Heat**
▲ **Heat Repeat**
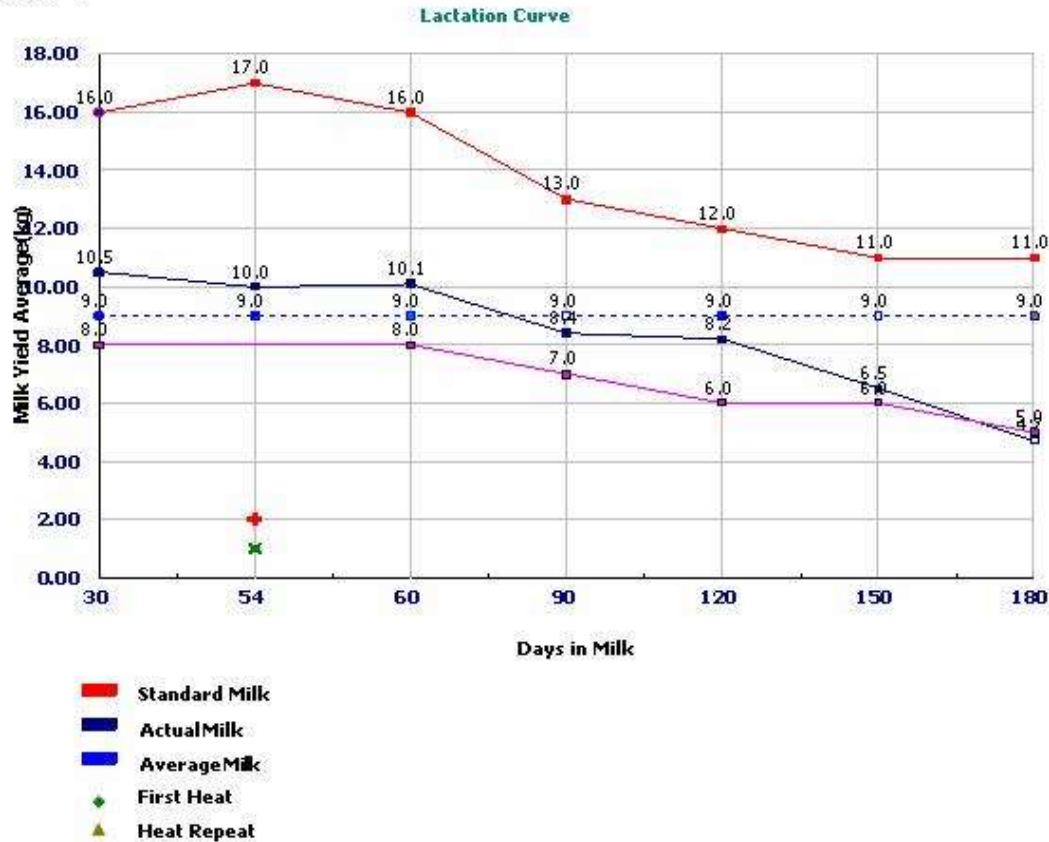
Lactation Curve: the program can generate lactation curve from the milk production data.   The curve also depicts other events related to lactation curve such as heat, pregnancy, disease treatment, etc.

Customized Reports:

Herdman provides facility for customized reports. From amongst more than 180 parameters the veterinarian or manager can select any number of parameters and generate report of his choice. There is also facility to sort data for various parameters.   The unique feature of Herdman is sorting of animals' performance based on its outcome such as economic efficiency of the animal. This enables the manager take decisions based on economic performance of the animal. This also allows selection of animals for breeding purposes.

Custom Report Wizard

Report Title: Breeding Animals

Herd Name

Id No.	Age	Inseminator	Parity	No Of A.I
1M	7 11Mths	105	3	1
2M	6 10Mths	103	3	1
3M	8Yrs	103	4	1
4M	7 8Mths	103	4	1
5M	6 8Mths	103	3	1
6M (3187)	13 5Mths	103	7	2
7M (3443)	11 9Mths	103	6	1
8M (3593)	8 9Mths	UNKNOWN	5	2
9M (3764)	8 9Mths	UNKNOWN	3	5
11M (3867)	7 3Mths	UNKNOWN	2	1
12M (3868)	7 3Mths	103	2	9
13M (3896)	7Yrs	103	3	2
14M (3959)	6Yrs	UNKNOWN	2	2
15M (4005)	5Yrs	UNKNOWN	2	1
16M (4009)	4 11Mths	103	2	2
17M (3931)	6 4Mths	103	1	2
18M (3971)	5 10Mths	103	2	1
21M (4048)	4 4Mths	103	1	1

Herd list:
- H1-L.R.S
- H2-MURRHA
- N1-Mew Herd
- new1-my herd
- R1-Rampur
- sa1-punaa
- T1-Test1

All

Exclude
- Salvage
- Disposal

Back | Ok

Help | Cancel | Next | Previous | Finish

Explorer | Property

Explorer panel:
- General
  - Age
  - Age at Disposal
  - Birth Date
  - Birth Wt.
  - Breed
  - Dam
  - Disposal Date
  - Disposal Reason
  - Disposal Type
  - Herd Name
  - Id No.
  - Linear Score
  - Lot Name
  - Name
  - Owner Name
  - Purchase Source
  - Purchase Cost
  - Sex
  - Sire
  - Sold Rate
  - Species
  - Status
  - Transponder Number
- Breeding
  - Age First Calving

Custom Report Wizard

New | Open | Save | Refresh | Delete | Preview | Close

Report Title: Animal Inventory

Id No.	No Of A.I	Last Breeding Sire Used	Days Last AI	Days in Milk	Most Recent 24 Hour Milk
7	10	YUVARAJ	244	599	3.7
9	8	-	268	626	0.6
17	-	-	-	254	5.8
27	17	YUVARAJ	254	934	3.6
60	-	-	-	269	10.8
64	5	AJAY	274	515	3.4
65	13	VIJAY	274	691	5
70	-	-	-	366	6.5
76	-	-	-	253	6.6
77	2	-	379	465	3.6
81	2	AJAY	250	320	6.8
94	-	-	-	253	13.9
102	6	AJAY	270	551	-
110	-	-	-	251	12.2
142	4	YUVARAJ	296	487	2.4
153	-	-	-	277	7.7
168	6	VIJAY	269	472	-
173	8	ROBIN	706	590	-
188	-	-	-	260	6.6
196	5	YUVARAJ	244	464	3.5
202	-	-	-	275	10.4
204	-	-	-	254	13.7
220	-	-	-	283	12.2
222	-	-	-	341	6.2
224	-	-	-	264	11.9
239	-	-	-	302	10.8
283	-	-	-	330	6.4
310	-	-	-	311	7
313	8	TYSON	247	495	5.9

No of Animals: 49

Left panel:
- Herdwise
  - H1-Milking
  - H2-Parlor
  - H3-Dry
  - H4-CALF SECTION
  - SL1-Salvage
- All
- Lotwise
- Ownerwise
- Annualwise
- Female / Male
- Current
- Adults / Heifers / Calf
- All
- Open
- Pregnant
- Milking
- Dry
- Periodic
- Salvage / Disposal Ok

Explore panel:
- Milking
  - Completed Lactation
  - Days in Milk
  - Lactation Yield
  - 100 Days Milk Yield
  - 305 Days Milk
  - Avg. Milk Yield
  - Peak Yield
  - Days to Peak
  - Seven Days Avg
  - Todays Adjusted Milk
  - Most Recent 24 Hour Milk
  - Most Recent % Fat
  - Most Recent % Protein
  - Most Recent Lactation Protein
  - Most Recent Lactation Fat
  - Most Recent Lactation Milk
  - Most Recent Milk Test Date

1st Group

2nd Group

Properties

Vaccination and Deworming Records: The records of all vaccination and deworming can be entered as village herds and maintained. The data of production, fertility can be correlated with these parameters.
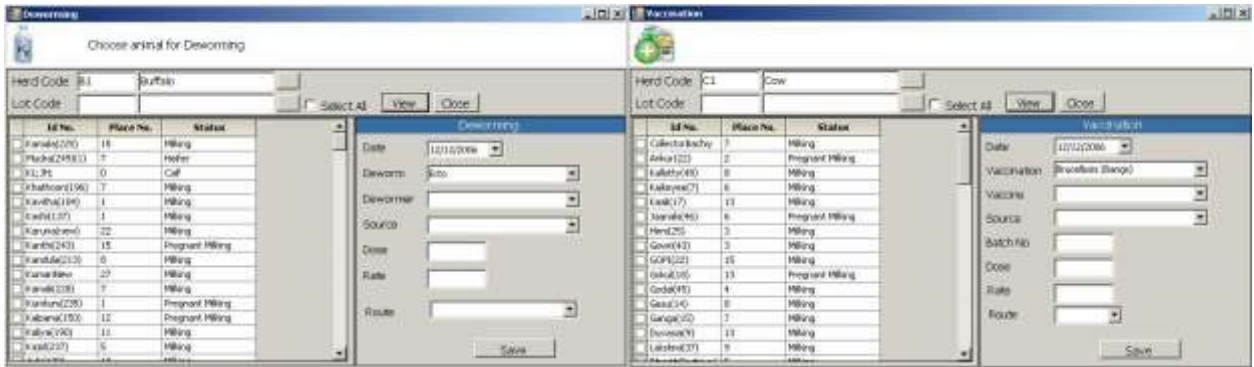
De-worming and Vaccination entry forms for the village cooperative herds

Sick Animal Case papers and treatment records: 'Herdman' maintains lifetime records of all the treatment carried out in individual animal. The database for different symptoms, systems, and the diseases are in-built so the user has to just select from the combo box. The program also indicates the dose rates for different drugs and the milk withdrawal alarm is also given. The old treatment records can be retrieved with a click. This also enables calculation of true disease rates in the farm. When antibiotics are used, the software also warns the farmers about the residues within the withdrawal period. Many software currently available do not have this facility.
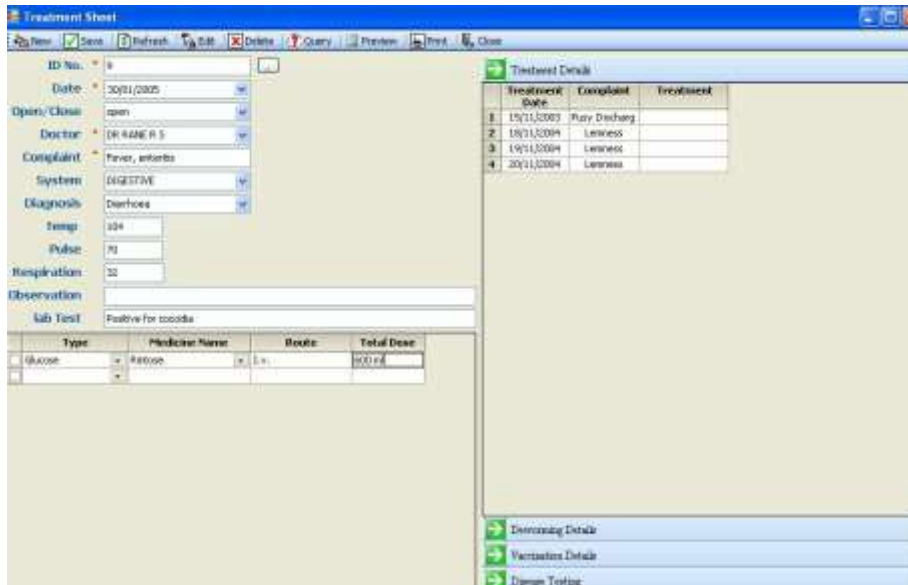
Herd performance indices: The ultimate objective of the animal data management is to analyze the data to calculate production, breeding and herd indices to indicate how the herd is performing. Herdman calculates production and reproduction-based herd indices (as mean $\pm$ *Standard deviation) for* each lot or herd. This is the unique feature of this software.

	Parity(No of Observation) Id No.	Avg. age at Calving (Years)	Avg. Service Period (Days)	Avg. Dry Period (Days)	Avg. Calving Interval (Days)	Avg. Gestation (Days)	Avg. Calving to Conception	Avg. No of A.I./Conception
*	1(20)	2.95±0.25	57.75±3.52	-	-	294.65±5.52	74.6±4.21	1.35±0.18
*	2(14)	3.93±0.36	62.38±5.18	55.54±17.28	462.79±41.98	287.79±6.38	179.5±19.46	3.36±0.68
*	3(17)	5.12±0.19	56±4.66	67.76±12.92	428.82±21.8	295.41±4.17	121±22.57	2.59±0.31
*	4(6)	7±0.63	52.5±9.7	137.67±72.55	457±101.08	301.5±6.57	106±8.08	2.5±0.76
*	5(10)	8.1±0.23	60.88±4.15	106.5±5.55	399.4±10.25	308.3±1.54	95.67±15.22	2.3±0.26
*	6(16)	9.19±0.52	49.8±1.41	94.47±14.17	411.25±13.84	300.75±4.08	85.29±10.95	2.75±0.57
*	7(12)	10.58±0.73	53.33±4.22	102.92±22.47	399.58±30.46	296.33±5.66	62.5±1.84	2.67±0.82
*	8(4)	12.25±1.11	55.5±7.42	71.75±24.5	428.25±39.81	316±7.6	-	2.75±1.18
*	9(2)	13±2	50±5	129.5±7.5	436.5±64.5	299.5±0.5	65	4.5±2.5
	Avg±StdDev(101)	6.24±0.31	55.81±1.51	85.44±7.26	426.09±11.48	296.83±1.97	97.48±5.42	2.46±0.19
	Avg±StdErr(101)	6.24±3.11	55.81±15.18	85.44±72.99	426.09±115.41	296.83±19.78	97.48±54.47	2.46±1.94

Herd indices, such as, average milk yield per lactation day, average yield per lactating animal, peak yield, days to peak yield, average lactation length, etc., can be calculated.

The reproduction-related indices that can be calculated are: mean age for first heat in heifers, mean age of calving in heifers, mean days after calving to first heat, mean conception rate, mean A.I. per conception, etc.

	Lactation(No of Observation) Id No.	Avg. Lactation Length	Avg. Lactation Yield(kgs)	305-days Milk Yield(kgs)	100-days Milk Yield (kgs)	Avg. Peak Yield(kgs)	Avg. Peak (Days)	Avg. Yield (kgs)
*	1(13)	341.38±19.2	2119.63±239.93	2011.93±233.92	870.18±110.48	11±1.33	50.38±6.99	6.34±0.75
*	2(15)	388.87±45.88	1859.28±171.74	1770.09±158.3	798.35±70.47	10.79±0.86	38±8.57	5.15±0.51
*	3(12)	326.08±27.24	2038.24±175.68	1946.45±131.91	970.01±39.88	15.84±3.89	33.83±6.40	6.34±0.39
*	4(12)	360.42±96.95	1171.17±149.69	1169.06±148.85	614.48±54.17	9.32±0.61	29.58±5.91	4.01±0.46
*	5(17)	318.41±21.43	1829.88±184.96	1719.6±145.48	822.26±48.64	13.46±1.76	54.47±12.58	5.79±0.31
*	6(25)	306.84±22.01	1791.88±160.37	1669.1±139.39	832.22±56.54	62.28±49.54	50.67±10.29	5.59±0.3
*	7(2)	360±103	2355.93±997.62	1998.72±640.43	1015	686.35±671.95	156±94	6.26±0.98
*	8(1)	235	1207.1±0	1207.1±0	689.3±0	10.8±0	24	5.14±0
	Avg±StdDev(97)	339.86±16.09	1814.12±75.83	1721.9±66.71	823.31±27.25	25.64±13.07	44.24±4.02	5.55±0.19
	Avg±StdErr(97)	339.86±158.44	1814.12±746.8	1721.9±656.98	823.31±268.43	25.64±128.76	44.24±39.61	5.55±1.86

The village / block or district level data can also be analyzed for other economic parameters.

The analysis as indices facilitate diagnosis of problems in the herds so that feeding or management or therapeutic intervention decisions can be taken.

Apart from conventional performance indices, the data can also be analyzed for economic indices which are important to plan for cost reduction to help farmers maximize profits.

Economic Parameter-based herd performance indices

Digital Vaccination Certificate: Vetware generates vaccination certificate for each farmer which is deposited in the animal file and the owner cell phone. The farmer is also provided alerts when due for vaccination. Maps of complying and non-complying farmers with disease occurrence can be generated.

Dashboard for tracking services, Geo Maps and Analytics:
A browser-based dashboard enables the managers to track the service provider works in the field in real-time, calculate km travelled based on Google maps and time spent on field visit. The tracking is based on detection of the GPS location and the scanning of the ear tag of the animals serviced.

Animals Registered by Paravet

Doctor Services Tracking:

Live-Services Data Tracking:
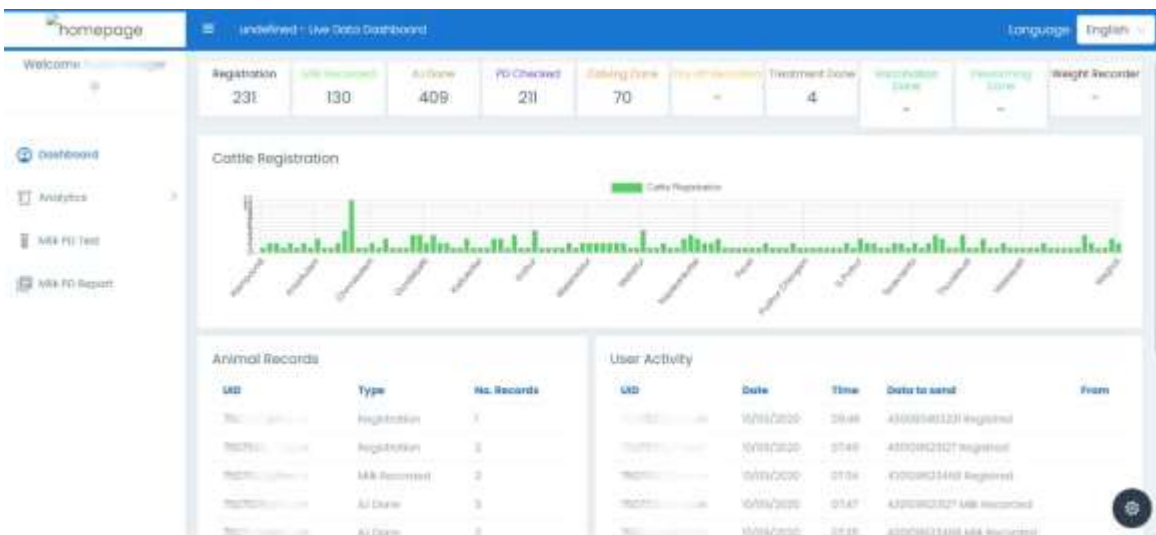
Liquid Nitrogen and Accessories Distribution:

Paravet Sheet/Gun/Glowse/LN2 Distribution
This form enables the syncronization pashu-mitra and veterinary officer. This requires first defining Schedule so that accordingly Herdman can generate Daily Shedule lists.

Date: 07/01/2021   View

	Paravet	LN2	Sheet Pack	Gun	Glowse
1	A.Adithan	2.6	20	3	30
2	A.ANANTH	3.6	13		43
3	A.Boopathi	2.5	18		34
4	A.Duraisamy	2.8	19	10	40
5	A.Elango	2.75	18		42
6	A.Gopichandiran	2.7	7	11	44
7	A.Janbasha	2.65	18		46
8	A.Joseph Vimalraj	2.6	19		48
9	A.Kanagaraj	2.55	19		50
10	A.Karthik	2.5	19		52
11	A.Kumar	2.45	23		54
12	A.Manikandan	2.4	19		56
13	A.Muniyappan	2.35	24	12	58
14	A.Muniyappan	2.3	20		60

Animal Traceability with GPS maps:

Sire Performance Report:
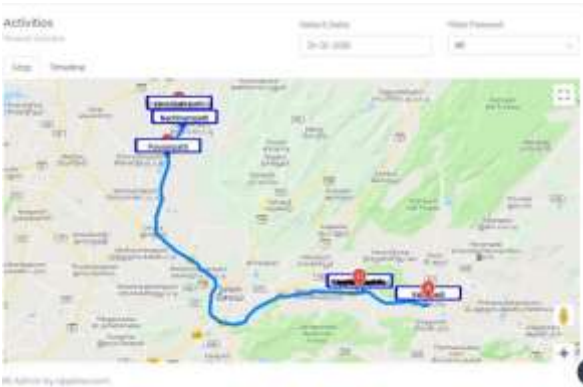

Stock Inventory Report:

Maps:

Herd profile- areas where cows / buffaloes / pregnant / open / repeat breeders / dry / advanced pregnant, recently calved cows are located

Vaccinated / un-vaccinated, mastitis treated, drug administered, FMD, etc. The side picture is of areas where enrofloxacin has been used

Tracking of the veterinary service providers work

SAP Integrated Report:

Expected Milk Production- Center-wise

Report By: **Expected Milk**   Filter By   Species: ALL   Breed:

Center-wise Expected Milk Date-wise.

Route Name	18-01-21	19-01-21	20-01-21	21-01-21	22-01-21	23-01-21	24-01-21	25-01-21	26-01-21	27-01-21	28-01-21	29-01-21	Total
A.Karadie	5350.6	5330.8	5293.5	5274.3	5274.2	5267.5	5259.4	5236.6	5222.3	5220.6	5208.9	5212	63150.7
A.Mangala													
Aalapatti	6670.6	6640.4	6650.2	6635.6	6631	6623	6619	6614.9	6597	6571	6564	6536.8	79355.4
Aandhal	5770.6	5731.0	5727.6	5712.5	5698.6	5715	5700	5731.2	5688.8	5671.3	5646.8	5608.1	68410.6
Adary	12461.1	12427.2	12408.3	12387.7	12361.8	12347.9	12273.4	12296.3	12323.5	12300.9	12288.6	12286.5	148163.2
Alampoon	7962.7	7916.1	7890.3	7877.6	7824.3	7822	7820	7800.5	7799.7	7759.1	7785.5	7790.4	94036.2
Alensarat	3881.1	3876.3	3871.9	3866.3	3880	3856.4	3851.2	3844	3843.7	3838.1	3830.5	3834.7	46253.8
Total	42104.7	41922.7	41831.7	41754	41649.9	41633.8	41523	41523.5	41475	41381	41324.3	41268.3	490571.0
Average	7017.4	6987.1	6972	6959	6941.6	6939	6920.5	6920.6	6912.5	6893.5	6887.4	6878	83228.6

Expected Calving Report:

Report By: **Expected Calving**   Filter By   Species: ALL   Breed:

Center-wise Expected Calving Month-wise.

Route Name	Jan-2021	Feb-2021	Mar-2021	Apr-2021	May-2021	Jun-2021	Jul-2021	Aug-2021	Sep-2021	Oct-2021	Nov-2021	Dec-2021	Jan-2022	Total
A.Karadip	6	17	37	34	28	40	22	2						186
A.Mangala														
Aalapatti	2	5	6	28	13	13	7	1						93
Aandhal	11	13	12	13	13	11	1							74
Adary	41	44	40	44	26	22	14	1	1					245
Alampoon	21	67	63	80	50	34	18	4						327
Alensarat	3	7	18	11	14	11	5							69
Alensava														
Annapatt	17	14	38	30	53	11	38	4						203
Anamalai	2	7	7	4	4		4	1	4					33

Service Charges Deduction Report:

Custom Report Center/Staff/Lot/Farmerwise...

Report Name: Deduction   Filter By   Species: ALL   Breed:
Report By: ○ Date-wise ● Route-wise
Select Age Group: ● Both ○ Adults ○ Heifers ○ Calf
Select Status: ● all ○ Open ○ Preg ○ Milk ○ Dry

Route-wise Deduction Report Date in 17-01-20

Route Name	Tagging	Tagging Cost(Rs)	AI Done	AI Cost (Rs)	PD Checked	PD Cost (Rs)	Deworming Cost	FMD Cost(Rs)	Trederia Cost(Rs)	HS & BQ Cost(Rs)	Treatment Cost	Total Cost(Rs)
Thothyam	2		2	150	6	555						705
THODHUT	1											
Thumbala	1		2	100								100
Thunaklaz												
Thotvauaz												
Thurvana	2		1	200	1	50						300
Thunathu												
Tindivana	4		1	50	1	50						100
TINDIVAN	1											
Tiruchena												
Teupathur	4		5	300	1	50						350
Uthanur												
Ukkala	2		5	300	8	520						1020
Vurthuru												

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