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ABSTRACT

This bibliography describes 38 materials available for computer-assisted instruction in agribusiness and natural resources education. The materials are suitable for use by regular, disadvantaged, and handicapped students and by students whose facility in English is limited. Materials are useful for developing tests, testing, reviewing, and vocabulary. Materials for inclusion in the bibliography were located through the Florida Educational Information Service (FEIS), which conducted searches of the Vocational Education Curriculum Materials (VECM) database on Bibliographic Retrieval Service (BRS). For each entry, information is provided on title, date developed, system required, content, and availability (supplier, price, format). Materials suitable for the following areas of agriculture are included: agribusiness, agricultural business management, agricultural mechanics, agricultural production, animal production, crop production, floriculture, forestry, horticulture, landscaping, nursery operations, soil conservation, and wildlife management. (KC)

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Microcomputer Programs for Agribusiness and Natural Resources Education

A Bibliography

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Microcomputer Programs for Agribusiness and Natural Resources Education

A Bibliography

State of Florida
Department of Education
Tallahassee, Florida
Betty Castor, Commissioner
Affirmative action/equal opportunity employer

Division of Vocational, Adult, and Community Education

April 1988

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Introduction

This bibliography describes materials available for computer-assisted instruction. These materials are suitable for use by regular, disadvantaged, and handicapped students and by students whose facility in English is limited; these materials may be used for developing tests, testing, reviewing, and vocabulary.

Included are materials suitable for the following areas of agriculture: agribusiness, agricultural business management, agricultural mechanics, agricultural production, animal production, crop production, floriculture, forestry, horticulture, landscaping, nursery operations, soil conservation, and wildlife management.

Materials for inclusion in this bibliography were located through Florida Educational Information Service (FEIS). FEIS conducted searches of computerized information retrieval systems (specifically the VECM—Vocational Education Curriculum Materials—database on BRS—Bibliographic Retrieval Service).

FEIS is sponsored by the Florida Division of Vocational, Adult, and Community Education and is located in The Center for Instructional Development and Services, Florida State University.

For additional search information, contact Florida Educational Information Service, The Center for Instructional Development and Services, 2003 Apalachee Parkway, Suite 301, Tallahassee, FL 32301-4829, (800) 428-1194.

Notes for reading an entry. The records listed in this bibliography have been selected and reproduced as written by database developers. No further editing of the texts was done.

- TITLE:** *Agricultural Loan Analysis.*
DATE: 1986
ANNOTATION: Used to analyze equal total payments, principle payments and single payment loans Catalog #9146
SYS REQ: Microcomputer Program, IBM PC, 128K Memory, MS DOS, 1 Disk; 5 1/4 Inch Size
AVAILABILITY: Sale Contact for Price Vocational Instructional Services FE Box 182, Texas A and M University College Station, TX 77843-2588 (409) 845-6601
- TITLE:** *Agricultural Proficiency Award.*
DATE: 1985
ANNOTATION: This program covers the 29 Agricultural Proficiency Award applications. Students complete the applications, making entries at the time they occur This allows students to know what the strengths and weaknesses of the applications are in time to do something about them The print-out becomes the actual application Includes back-up disk, loose-leaf binder and a copy of the Agricultural Proficiency Handbook. Order FDP-A for Apple, FDP-R for TRS
SYS REQ: Microcomputer Program; Apple IIe, IIc, 64K Memory; 1 Disk, 5 1/4 Inch Size, TRS-80, IV, 64K Memory, 1 Disk, 5 1/4 Inch Size
AVAILABILITY: Sale \$59.95 National FFA Supply Service, National FFA Center 5632 Mt Vernon Memorial Highway, PO Box 15160, Alexandria, VA 22309 (703) 780-5600
- TITLE:** *Agriculture. Vocational Mathematics Competency Tests.*
DATE: 1984
ANNOTATION: One of thirteen programs in the Vocational Mathematics Competency Testing Program They are designed to determine occupationally related mathematics skills in specific vocational areas The tests may be administered and scored using a microcomputer or they may be administered from paper-pencil versions and scored using a microcomputer These programs may be used in education or industry to aid in determining a trainee's chances of success and in designing programs to meet the individual needs of the trainees Order 840601
SYS REQ: Microcomputer Program, Apple II +, IIe, 48K Memory, 1 Disk Drive, 3 Disks
AVAILABILITY: Sale \$295.00, \$354.00 with back-up Statewide Teaching Aids PO Box 8241 Alexandria, LA 71306-1241 (318) 445-2572
- TITLE:** *Agri-ID: The Beef*
Agri-ID: The Dairy Cow
Agri-ID: The Horse
Agri-ID: The Leaf
Agri-ID: The Plant
Agri-ID: The Sheep
Agri-ID: The Swine
DATE: 1984
ANNOTATION: The programs feature high-resolution graphic pictures which the students must identify A flashing arrow or symbol indicates the randomly selected part to be identified Any one of five levels of difficulty may be selected by the student
SYS REQ: Microcomputer Program, Apple II +, IIe, IIc, 48K Memory; 1 Disk, 5 1/4 Inch Size
- AVAILABILITY:** Sale \$29.95 each Agri-Farm Publications, Inc 1019 Market Street, Box 43 Gowrie, IA 50543 (515) 352-3303
- TITLE:** *Agri-Quiz: Beef*
Agri-Quiz: Corn Management Quiz
Agri-Quiz: Crop Production Quiz
Agri-Quiz: Dairy Production Quizzes, Part I
Agri-Quiz: Dairy Production Quizzes, Part II
Agri-Quiz: Farm Management Quiz
Agri-Quiz: Floriculture Quiz
Agri-Quiz: Forestry
Agri-Quiz: Horses
Agri-Quiz: Nursery Landscape Quiz
Agri-Quiz: Parliamentary Procedures Quiz
Agri-Quiz: Poultry
Agri-Quiz: Sheep
Agri-Quiz: Small Grain Quiz
Agri-Quiz: Soils Quiz
Agri-Quiz: Swine
Agri-Quiz: Tractor Maintenance
Agri-Quiz: Tractor Safety
Agri-Quiz: Welding
Agri-Quiz: Wildlife Conservation
DATE: 1984
ANNOTATION: All Agri-Quizzes feature at least three hundred multiple choice and true-false questions which may be studied at the computer or used selectively to print a quiz or test Student grades are also recorded on disk if the student uses the computer to take or make up the test Printer required
SYS REQ: Microcomputer Program, Apple II +, IIe, IIc, 48K Memory, 1 Disk; 5 1/4 Inch Size
AVAILABILITY: Sale \$39.95-\$49.95 each Agri-Farm Publications, Inc 1019 Market Street, Box 43 Gowrie, IA 50543 (515) 352-3303
- TITLE:** *American Farmer Degree.*
DATE: 1985
ANNOTATION: This is the American Farmer Degree application Students complete the application, making entries at the time they occur This allows a student to know what the strengths and weaknesses of the application are in time to do something about them The print-out becomes the actual application Includes back-up disk, loose-leaf binder and a copy of the American Farmer Handbook Order FDAF-A for Apple, FDAF-R for TRS
SYS REQ: Microcomputer Program, Apple IIe, IIc, 64K Memory, 1 Disk, 5 1/4 Inch Size, TRS-80, IV, 64K Memory, 1 Disk, 5 1/4 Inch Size
AVAILABILITY: Sale \$59.95 National FFA Supply Service, National FFA Center 5632 Mt Vernon Memorial Highway, PO Box 15160 Alexandria, VA 22309. (703) 780-5600.
- TITLE:** *Anatomy and Physiology of Reproduction.*
DATE: 1985
ANNOTATION: An introduction to the terms, parts and functions of cattle reproductive systems Includes the reproductive cycles of common farm animals This series consists of 3 disks Must use the VIS teacher utility

- disk in conjunction with this series of programs All VIS programs are competency-based and consist of a unit introduction, competency-based performance objectives, pertinent content information, drill and practice, and mastery tests. Utility disk must be purchased separately.
- SYS REQ.** Microcomputer Program, Apple II, IIe, IIc, Apple-soft Language; 48K Memory, 3 3 DOS, 3 Disks; 5 1/4 Inch Size.
- AVAILABILITY.** Sale Contact for Price. Vocational Instructional Software, Incorporated PO Box 1688 Stillwater, OK 74076 (918) 665-5001.
- TITLE.** *Breakeven Price or Yield for Alternate Crops.*
- DATE:** 1986.
- ANNOTATION.** Determines the breakeven price or yield of an alternate crop that will give the same return above variable cost as a base crop Useful in short-run decision making. Catalog #9149.
- SYS REQ.** Microcomputer Program; IBM PC, 128K Memory, MS DOS; 1 Disk; 5 1/4 Inch Size.
- AVAILABILITY.** Sale Contact for Price. Vocational Instructional Services. FE Box 182, Texas A and M University College Station, TX 77843-2588. (409) 845-6601.
- TITLE:** *Calculating Irrigation Capacity Unknowns.*
- DATE:** 1986.
- ANNOTATION.** Calculates one of five parameters related to irrigation capacity. Values that can be calculated include: (1) rate of delivery, (2) application per acre, (3) acreage to be irrigated, (4) days to complete application and (5) hours operating per day Catalog #9151.
- SYS REQ.** Microcomputer Program; IBM PC, 128K Memory, MS DOS; 1 Disk, 5 1/4 Inch Size
- AVAILABILITY:** Sale Contact for Price. Vocational Instructional Services FE Box 182, Texas A and M University College Station, TX 77843-2588 (409) 845-6601
- TITLE.** *Calculating Loan Unknowns.*
- DATE:** 1986
- ANNOTATION:** Calculates an unknown factor for a loan The four loan factors involved are. (1) loan amount, (2) total payments per period, (3) annual interest rate and (4) total periods in the life of the loan Catalog #9147
- SYS REQ** Microcomputer Program, IBM PC, 128K Memory, MS DOS, 1 Disk, 5 1/4 Inch Size
- AVAILABILITY.** Sale Contact for Price. Vocational Instructional Services FE Box 182, Texas A and M University College Station, TX 77843-2588 (409) 845-6601
- TITLE:** *Combine Ownership vs. Custom Hire After Tax.*
- DATE.** 1986
- ANNOTATION** Facilitates the analysis of combine and truck ownership versus custom-hire harvesting and hauling of grain crops. Calculates after-tax cost of ownership and custom-hiring. Catalog #9162
- SYS REQ.** Microcomputer Program; IBM PC, 128K Memory, MS DOS; 1 Disk; 5 1/4 Inch Size
- AVAILABILITY.** Sale Contact for Price. Vocational Instructional Services. FE Box 182, Texas A and M University College Station, TX 77843-2588 (409) 845-6601
- TITLE** *Courseware Evaluation Form for Vocational and Technical Education.*
- DATE** 1984
- ANNOTATION** Decision-making tool for conducting microcomputer courseware evaluations The form consists of three parts, Part A Description, Part B Evaluation, and Part C Summary Applewriter IIe is required to run the program
- SYS REQ** Microcomputer Program, Apple IIe, 1 Disk, 5 1/4 Inch Size.
- AVAILABILITY** Loan 2 weeks Shirley A Chase, The National Center for Vocational Education, 1960 Kenny Road Columbus, OH 43210. 800-848-4815 or (614) 486-3655
- TITLE** *Cow-Calf Economic and Production Evaluation.*
- DATE.** 1986
- ANNOTATION:** Evaluates the profitability and productivity of a beef cow-calf enterprise where the primary feed source is range and pasture. Calculates breakeven price, cost, profit, investment and productivity analysis. Catalog #9156.
- SYS REQ** Microcomputer Program, IBM PC, 128K Memory, MS DOS; 1 Disk, 5 1/4 Inch Size
- AVAILABILITY.** Sale Contact for Price Vocational Instructional Services FE Box 182, Texas A and M University. College Station, TX 77843-2588 (409) 845-6601.
- TITLE** *Deer Hunting Enterprise Economic and Production Evaluation.*
- DATE** 1986.
- ANNOTATION** Evaluates the profitability and productivity of the deer hunting enterprise where the primary feed source is range and pasture. Calculates breakeven price, cost, profit, investment and productivity analysis Catalog #9154
- SYS REQ.** Microcomputer Program, IBM PC, 128K Memory, MS DOS, 1 Disk, 5 1/4 Inch Size.
- AVAILABILITY.** Sale Contact for Price Vocational Instructional Services FE Box 182, Texas A and M University College Station, TX 77843-2588 (409) 845-6601
- TITLE:** *Ecology Simulations I and II*
- DATE** 1984
- ANNOTATION** Programs use simulations to illustrate ecology problems and solutions Either program can be used independently from the other program Consists of background material, sample exercises and study guides Order numbers CRE 139 S and CRE 140 S
- SYS REQ.** Microcomputer Program, Apple II, II + , IIe
- AVAILABILITY** Sale \$24 95 each American Micro Media PO Box 306 Red Hook, NY 12571 (914) 758-5567
- TITLE** *Endangered Species.*
- DATE** 1985.
- ANNOTATION** Over 100 animal species from insects to mammals are represented in this interactive program Includes a simulation, game and an instructional section Printouts of the instructional section can be produced for users with printers
- SYS REQ** Microcomputer Program, Apple II + , IIe, 3 3 DOS, 1 Disk Drive, 2 Disks, Color.
- AVAILABILITY** Sale \$49.00 Yaker Environmental Systems, Incorporated. PO Box 18. Stanton, NJ 08885 (201) 735-7056

- TITLE** *Fencing Cost Calculator.*
DATE 1986.
ANNOTATION Facilitates the estimation of the materials, investment requirements, and the annual costs of a fence. Handles many types of electric and non-electric fences. Includes after-tax analysis. Catalog #9153
SYS REQ Microcomputer Program, IBM PC, 128K Memory, MS DOS, 1 Disk, 5 1/4 Inch Size
AVAILABILITY Sale Contact for Price Vocational Instructional Services FE Box 182, Texas A and M University College Station, TX 77843-2588 (409) 845-6601
- TITLE** *FFA Information.*
DATE 1984
ANNOTATION Catalog order number 9115, contains 10 sample questions and 7 exams of 40 questions each covering information in official Future Farmers of America (FFA) Manual
SYS REQ Microcomputer Program, TRS 80 Computer Brand, III Model, Basic Language, 48K Memory, TRS DOS, 1 Disk, 5 1/4 Inch Size
AVAILABILITY Sale Contact for Price Vocational Instructional Services, Texas A & M University FE Box 182 College Station, TX 77843-2588 (409) 845-6601
- TITLE** *Financing Land Purchase Analysis.*
DATE 1986
ANNOTATION Analyzes different land purchasing terms to determine the minimum cost to the purchaser. Different types of loans and terms can be evaluated. Catalog #9148
SYS REQ. Microcomputer Program, IBM PC, 128K Memory, MS DOS, 1 Disk, 5 1/4 Inch Size
AVAILABILITY. Sale Contact for Price Vocational Instructional Services FE Box 182, Texas A and M University College Station, TX 77843-2588 (409) 845-6601
- TITLE** *Fish and Fishing.*
DATE 1984
ANNOTATION Instructs the interrelationships of fish to their ecosystems in a unique and fascinating approach through the use of animation and graphics. Self-contained, interactive program is designed to teach water ecology to an entire class, in small groups or on an individual basis
SYS REQ Microcomputer Program, Apple, II +, IIe, 3 3 DOS, 2 Disks, Color
AVAILABILITY Sale \$49 00 Yaker Environmental Systems, Incorporated PO Box 18 Stanton, NJ 08885 (201) 735-7056
- TITLE** *Forest Succession.*
DATE 1984
ANNOTATION Succession triangle allows students to input vegetation percentages to determine the current stage. The Triangle data is immediately followed by a graphic representation of the entered percents to create a visual understanding. Second part consists of six environmental factors which cause Succession Regression. Students input the percent of ecosystem change resulting from the regression factor and graphically see the successional difference
SYS REQ Microcomputer Program, Apple, II +, IIe, 3 3 DOS, 1 Disk, Color
- AVAILABILITY** Sale \$39 00 Yaker Environmental Systems, Incorporated PO Box 18 Stanton, NJ 08885 (201) 735-7056
- TITLE** *Forward Contracting Crops.*
DATE 1986
ANNOTATION Calculates the percent of a particular crop that should be forward-contracted at a particular price to cover total variable costs. Catalog #9150
SYS REQ Microcomputer Program, IBM PC, 128K Memory, MS DOS, 1 Disk, 5 1/4 Inch Size
AVAILABILITY Sale Contact for Price Vocational Instructional Services FE Box 182, Texas A and M University College Station, TX 77843-2588 (409) 845-6601
- TITLE** *Hunter Education.*
DATE 1984
ANNOTATION Features—Safety. Animated responses by the student to major safety situations in the field. Develops proper response reactions for real life. Rifle Selections. Graphically displayed. Integrates the four factors—quarry, distance, rifle caliber, and bullet weight. Target Practice. Graphic review. Results are tabulated in an achievement-oriented manner, reflecting the student's marksmanship. Students have choice of Big- or Small-Game Target Practice. Ethics. Students are exposed to the values of being a sportsman
SYS REQ Microcomputer Program, Apple, II +, IIe, 2 Disks, Color
AVAILABILITY Sale \$49 00 Yaker Environmental Systems, Incorporated PO Box 18 Stanton, NJ 08885 (201) 735-7056
- TITLE** *Interpretation of Land Treatment.*
DATE 1985
ANNOTATION Students learn the interpretations of land treatment and soil conservation practices, as well as the mechanical, fertilizer and soil amendments to land use. This is a 2 disk series and must be used in conjunction with the VIS Teacher Utility Disk. All VIS programs are competency-based and consist of a unit introduction, competency-based performance objectives, pertinent content information, drill and practice and mastery tests. Utility disk must be purchased separately
SYS REQ Microcomputer Program, Apple II, IIe, IIc, Apple-soft Language, 48K Memory, 3 3 DOS, 2 Disks, 5 1/4 Inch Size
AVAILABILITY Sale Contact for Price Vocational Instructional Software, Incorporated PO Box 1688 Stillwater, OK 74076 (918) 665-5001
- TITLE** *Introduction to Fertilizers.*
DATE 1985
ANNOTATION Students match terms associated with fertilizers to correct definitions and plant nutrients to correct characteristics. Students also identify factors influencing the use of fertilizers and compare cost per pound of nutrients. This series consists of 4 disks and must be used in conjunction with the VIS Teacher Utility Disk. All VIS programs consist of unit introduction, competency-based performance objectives, drill and practice and mastery tests. Utility disk must be purchased separately
SYS REQ Microcomputer Program, Apple II, IIe, IIc, Apple-soft Language, 48K Memory, 3 3 DOS, 4 Disks, 5 1/4 Inch Size

AVAILABILITY Sale Contact for Price Vocational Instructional Software, Incorporated PO Box 1688 Stillwater, OK 74076 (918) 665-5001

TITLE **Land Judging Card—Land Characteristics.**

DATE 1985

ANNOTATION Students learn the characteristics of land judging and the science of soil classification. Students also learn soil differences and land use and management. This is a 3 disk series and must be used in conjunction with the VIS Teacher Utility Disk. All VIS programs are competency-based and consist of a unit introduction, competency-based performance objectives, pertinent content information, drill and practice and mastery tests. Utility disk must be purchased separately.

SYS REQ Microcomputer Program, Apple II, IIe, IIc, Apple-soft Language, 48k Memory; 3 3 DOS, 3 Disks 5 1/4 Inch Size

AVAILABILITY Sale Contact for Price Vocational Instructional Software, Incorporated PO Box 1688 Stillwater OK 74076 (918) 665-5001

TITLE **Landscape Design. Design Your Own Home Series.**

DATE, 1984

ANNOTATION This program makes it easy to rearrange plants, shrubs, and outdoor furnishings. Selects plants for any location. Shows how plant growth affects placement. Uses dozens of pre-drawn houses to landscape, or the user can draw his own. Prints a list of plants. Paddles, mouse, joystick, or graphics pad required. Order 3113-01

SYS REQ Microcomputer Program, Apple II + , IIe, IIc, 48K Memory, Color

AVAILABILITY Sale \$69.95 Avant-Garde 37B Commercial Boulevard Novato, CA 94947 (415) 883-8083

TITLE **Loggers Hangman.**

DATE 1984

ANNOTATION Standard hangman game using 185 logging and forestry words and terms

SYS REQ Microcomputer Program, Apple II, 1 Disk, 5 1/4 Inch Size

AVAILABILITY Sale Send \$1.00 Plus Disk for Each Program Les Martin, North Bend High School 14th & Pacific Streets North Bend, OR 97459 (503) 756-2521

TITLE **Machinery Cost Estimator.**

DATE 1986

ANNOTATION Determine the cost of operation for a power unit and implement, a power unit alone and an implement alone. Catalog #9163

SYS REQ Microcomputer Program, IBM PC, 128K Memory MS DOS, 1 Disk, 5 1/4 Inch Size

AVAILABILITY Sale Contact for Price Vocational Instructional Services FE Box 182, Texas A and M University College Station, TX 77843-2588 (409) 845-6601

TITLE **Motor Vehicle Cost Analysis.**

DATE 1986

ANNOTATION Compares costs of currently owned vehicles. Evaluates costs in consideration of potential purchases. Projects costs for future use of vehicles. Catalog #9160

SYS REQ Microcomputer Program, IBM PC, 128K Memory, MS DOS, 1 Disk; 5 1/4 Inch Size

AVAILABILITY Sale Contact for Price Vocational Instructional Services FE Box 182, Texas A and M University College Station, TX 77843-2588 (409) 845-6601

TITLE **Outdoor Orienteering.**

DATE 1984

ANNOTATION A graphic simulation program which will enhance teaching-compass and topographical map concepts. The students have a choice of 4 topographical maps where they enter distance and direction. The three-dimensional pictures that follow determine if their entries move the person on the screen correctly from start to finish. *Outdoor Orienteering* adds excitement to learning how to read the compass and topographical map.

SYS REQ Microcomputer Program, Apple, II + , IIe, 3 3 DOS, 1 Disk, Color

AVAILABILITY Sale \$39.00 Yaker Environmental Systems, Incorporated PO Box 18 Stanton, NJ 08885 (201) 735-7056

TITLE **Parliamentary Procedure information.**

DATE 1984

ANNOTATION Catalog Order Number 9116, contains 10 sample questions and 7 exams of 40 questions each, covering information in *Parliamentary Procedure Guide for Future Farmers of America (FFA)* by Jarrell D Gray

SYS REQ Microcomputer Program, TRS 90, Model III, Basic Language, 48K Memory, TRS DOS, 1 Disk, 5 1/4" Size

AVAILABILITY Sale Contact for Price Vocational Instructional Services, Texas A & M University FE Box 182 College Station, TX 77843-2588 (409) 845-6601

TITLE **Pickup and Trailer Cost Analysis.**

DATE 1986

ANNOTATION Estimates transportation cost of an owned pickup and trailer. Compares owner cost to hiring transportation. Evaluates potential pickup trailer purchase alternatives. Catalog #9161

SYS REQ Microcomputer Program, IBM PC, 128K Memory MS DOS, 1 Disk, 5 1/4 Inch Size

AVAILABILITY Sale Contact for Price Vocational Instructional Services FE Box 182, Texas A and M University College Station, TX 77843-2588 (409) 845-6601

TITLE **Plant Biology Keyword.**

DATE 1984

ANNOTATION This program will help students develop an understanding of important scientific terms. Involves thinking games, with secret words discovered by uncovering clues that include synonyms, examples, definitions, and applications of the vocabulary in your curriculum. Arranged by the topics and units that you teach, extensive libraries of scientific terms and clues are ready for your classroom. Topics are fungi, algae, mosses and ferns, higher plants, leaves, roots and stems, and plant reproduction. Order FMIC0151A for Apple, FMIC0151T for TRS-80. Includes Back-up disk

SYS REQ Microcomputer Program, Apple II, II + , IIe, 48K Memory, 1 Disk 5 1/4 Inch Size, TRS-80, 32K Memory 1 Disk, 5 1/4 Inch Size

AVAILABILITY Sale \$30 00 Jack L. Hartman and Company 2840 Peters Creek Road Roanoke, VA 24019 (800) 336-5962 outside Virginia, (800) 542-5899 Virginia only

TITLE **Stocker Cattle Enterprise Economic and Production Evaluation.**

DATE 1986

ANNOTATION Evaluates the profitability and productivity of the stocker cattle enterprise where the primary feed source is range and pasture. Calculates break-even price, cost, profit, investment and productivity analysis. Catalog #9158

SYS REQ Microcomputer Program IBM PC, 128K Memory MS DOS, 1 Disk, 5 1/4 Inch Size

AVAILABILITY Sale Contact for Price Vocational Instructional Services FE Box 182, Texas A and M University College Station, TX 77843-2588 (409) 845-6601

TITLE **Stocker Cattle Production-Marketing Analysis.**

DATE 1986

ANNOTATION Facilitates the economic, production, and marketing analyses of a stocker cattle operation. Can be used for planning purposes or with a completed enterprise. Handles purchased cattle or a gain contract. Catalog #9155

SYS REQ Microcomputer Program, IBM PC, 128K Memory, MS DOS, 1 Disk, 5 1/4 Inch Size

AVAILABILITY Sale Contact for Price Vocational Instructional Services FE Box 182, Texas A and M University College Station, TX 77843-2588 (409) 845-6601

TITLE **205 Day Weaning Weight.**

DATE 86

ANNOTATION Calculates the adjusted 205 day weaning weights and weight ratios for a group of calves. Calves are sorted by sire, sex and dam. Adjustment procedure follows the Beef Improvement Federation recommendations. Catalog #9152

SYS REQ Microcomputer Program, IBM PC, 128K Memory, MS DOS, 1 Disk, 5 1/4 Inch Size

AVAILABILITY Sale Contact for Price Vocational Instructional Services FE Box 182, Texas A and M University College Station, TX 77843-2588 (409) 845-6601

TITLE **VIS Teacher Utility Disk.**

DATE 1985

ANNOTATION This program is the teacher utility package for the ten VIS student competency disks. This disk must be used in order to run the student disks and is purchased separately. All VIS programs are competency-based and consist of a unit introduction, competency-based performance objectives, pertinent content information, drill and practice, and mastery tests.

SYS REQ Microcomputer Program, Apple II, IIe, IIc, 48K Memory, 3 1/2 DOS, 1 Disk, 5 1/4 Inch Size

AVAILABILITY Sale Contact for Price Vocational Instructional Software, Incorporated PO Box 1688 Stillwater, OK 74076 (918) 665-5001



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