SCHOOL FOOD SERVICE COMPUTER-ASSISTED INFORMATION SYSTEMS

MINNESOTA DEPARTMENT OF EDUCATION
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INTRODUCTION

A survey of vendors marketing computer-assisted information systems for school food service was conducted by the Minnesota Department of Education, Child Nutrition Section. Vendors were requested to submit literature describing their system, copies of reports generated by their system, and a list of School Food Authorities (SFAs) currently using their system. Phone interviews with the vendor and a selected number of users were conducted in an effort to assess the costs, capabilities, and limitations of each system. Whenever possible, a demonstration of the system was used in the assessment. Questions concerning installation, training, and system maintenance were also addressed.

This report attempts to provide an overview of the costs and capabilities of the systems that were reviewed. Since most vendors sell their software in pieces or modules and since hardware needs are dependent upon equipment already available in a school district, the actual cost of each system may vary.

To assess the approximate cost of software and hardware, vendors were asked to recommend a software and hardware configuration for a district having an enrollment of 2,500 students housed in three schools, each located within a 2 mile radius of each other and each having their own kitchen/dining area. Menu planning, purchasing, and free and reduced application processing were to be handled centrally at the food service supervisor's office located in the high school. Inventory is stored and food is prepared at each school site. Breakfast, lunch, and a la carte items are offered at each school. During breakfast service, meal tickets for the day, week or month are currently sold/distributed in the cafeterias by a food service employee. Following is a brief description of each school.

> **Elementary school**, grades 1-4 with an enrollment of 1,000 students. One cashier handles two serving lines at lunch offering the same reimburseable meal and very limited a la carte items.

> **Middle School**, grades 5-8 with an enrollment of 700 students. Two cashiers handle two serving lines at lunch which offer alternate reimburseable meals and a la carte selections.

> **High School**, grades 9-12 with an enrollment of 800 students. Three cashiers handle three serving lines at lunch. Two of the lines offer different reimburseable meals and limited a la carte selections. The third serving line offers only a la carte menu selections.

For purposes of this report, each vendor has been listed in alphabetical order within one of the following general system categories:

- **COMPREHENSIVE SYSTEMS** (i.e., the system performs functions within a minimum of 4 of the application areas described in this report). These systems were placed in one of the following subcategories depending upon the vendor's recommended hardware and software configuration:

  a) *Hardware/Software located at one site only*

  b) *Hardware/Software located at multiple sites*

- **POINT OF SERVICE SYSTEMS (POS)** + (i.e., performs POS functions and may offer additional features listed in one or more application areas). Each system was then placed in one of the following subcategories depending upon the vendor's recommended hardware configuration:

  a) *Electronic Cash Register based*

  b) *PC Computer based*

- **SPECIALIZED MODULES** (i.e., performs functions within one or more but less than four of the application areas)

Key functions of the systems reviewed were identified and grouped into the following major application areas:

- **Free and Reduced Application Processing**
- **Point of Service (POS) Accountability**
- **Menu Planning/Printing/Nutritional Analysis**
- **Inventory Control/Purchasing**
- **Food Production and Distribution**
- **Personnel Management**
- **Financial Management**

If the vendor's system performed the function listed within the application area, an "X" was placed in the appropriate space. Each vendor has reviewed and provided written verification on the accuracy of the information listed in this report.

While an attempt was made to survey most of the computer-assisted information systems on the market for school food service, we recognize that there may be additional systems on which we did not have information and consequently did not include in this report.

COMPREHENSIVE SYSTEMS *(Hardware/Software located at one site only):*

		Approximate Software Package Cost	System Recommended Hardware Configuration & Approximate Cost	Vendor Support Services & Approximate Annual Cost
ProCOM II	**Computrition** 9121 Oakdale Avenue P.O. Box 4689 Chatworth, CA 91313-4689 Ellyn Luros, President (800) 222-4488 (818) 701-5544	$10,500.00 (software programs can be purchased separately) Complete software programs range in price from $6,600.00 to $100,000.00 depending on the needs of the district	1-IBM PC compatible computer with 2 MB internal memory, 80 MB hard disk, monitor, printer and enhanced keyboard. (located at the high school's central office.) $6,365.00	*Multi-Vendor* Computrition provides toll free phone support on software concerns for a $2,600.00 "subscription fee" which is *not* optional, *it is required.* Hardware service would be obtained through a local vendor
School Food Service Software	**MAPS, Inc.** P.O. Box 821 Columbus, MS 39703 Sandra Wheeler, Support Director (601) 328-6110	$5,285.00 (software programs can be purchased separately)	1-IBM PC compatible computer with 1 MB internal memory, 40 MB hard disk, printer, and monitor. $3,515.00	*Multi-Vendor* MAPS offers toll-free phone support on software for $600.00. Upgrades/ enhancements to the software are included in the service agreement. Has remote diagnostics capabilities. *First year of software support is included in the purchase price.* Hardware service would be obtained through a local vendor
The Lunch Cruncher, Free and Reduced, The Recipe Rustler, The AccuClaimer, and Formworx.	**School Lunch Computer Services, Inc.** The Village Green 150 Himmelein Road Medford, NJ 08055 Peter Vielbig, President (800) 527-8624 (609) 654-0664	$3,829.00 (software programs can be purchased separately)	1-IBM PC compatible computer with 640 KB internal memory, 40 MB hard disk, printer and monitor, at the high school office $3,215.00	*Multi-Vendor* School Lunch Computer Ser___ offers limited phone ____rt with a toll- free number for $195.00/ year (phone support longer than 10 minutes per call at $35.00/hour) Software enhancements/ updates are included in the service agreement. Has remote diagnostics capabilities. *The first year of software service is provided in the purchase price.* Hardware service would be obtained through a local vendor

ProCOM II	School Food Service Software	The Lunch Cruncher Family	
			FREE & REDUCED APPLICATION PROCESSING
X	X	X	Determines F/R, and temporary status according to USDA guidelines
X	X	X	Prints personalized notification letters to parents
X	X	X	Prints eligibility rosters and daily change reports by building
X	X	X	Draws samples by child/family for verification (focus/random)
X	X	X	Prints personalized verification letters to parents
X	X	X	Summarizes results of verification process per regulation
		Currently interfaces with many POS systems (imports ASCII data files)	Updates the eligibility category of each student file through an interface with the Point of Service (POS) module
			POINT OF SERVICE (POS) ACCOUNTABILITY
Currently developing an interface W/Prepaid Card Services' POS System (p. 14)			Generates meal count accountability reports (counts taken at the end of line) for breakfast/lunch
	X	X	Edits by school [2] a Daily lunch counts by category against 100% eligible (E) & attendance factor (AF)
	X	X	b Monthly meal count totals against AF x days x E
		X	c Daily against previous month's average daily participation
	X	X	Edit by SFA [3] Monthly meal count totals against AF x days x E
	X	X	Tracks cash receipts by school
		X	Tracks sales income by school
		X	Consolidates meal counts, cash receipts, and sales for district
			Generates reports itemizing the number of menu selections sold
			Generates individual student account activity reports
		O/X	Integrated with inventory (adjusts levels)/financial statement (transfers sales income)
			MENU PLANNING, PRINTING, NUTRITIONAL ANALYSIS
X			Precosts recipes and menus
X			Performs nutritional analysis of recipes and menus
17,000/20			Provides a nutrient file (number of items/number of nutrients)
X/X		X/X	Has USDA recipe file available/other recipe file(s) available
			Assesses menus against USDA meal pattern requirements
X		X	Prints monthly menu calendars
			INVENTORY CONTROL, PURCHASING
X	X	X	Prints physical inventory worksheets
X/(FIFO)	X/(FIFO)	X/(RC)	Extends inventory for valuation/accounting method(s) used [4]
X	X	X	Maintains perpetual inventory
X	X	X	Tracks inventory levels by school and consolidates for a districtwide total
Creates district's file at no charge	100	Creates district's file at no charge	Sample inventory item file available (indicate number of items)
X	X	X	Assists in forecasting amount of inventory needed
	X	X	Prepares bid request documents and evaluates bids
X	X	X	Prints itemized purchase orders by vendor
		X	Transfers food & nonfood costs to financial statement
			FOOD PRODUCTION AND DISTRIBUTION
X			Forecasts amounts of foods to prepare by school
X			Prints food production worksheets per regulation
X		X	Prints yield adjusted recipes
X		X	Prints inventory pull worksheets
X			Prints satellite kitchen orders with portion control instructions
X			Generates post cost of menus served
			Integrated with inventory (adjusts levels)/financial statement (transfers costs)
			PERSONNEL MANAGEMENT
			Determines labor scheduling needs
			Serves as a time clock
			Tracks labor hours and costs
			Reports accrual of benefits (vacation, sick, medical, etc.)
			Tracks absenteeism
			Transfers labor costs to the financial statement
			FINANCIAL MANAGEMENT
	X	X	Tracks cash receipts and deposits by school and districtwide
	X	X	Generates financial statements (profit/loss) for each school and districtwide
	X	X	Projects revenue and expenses for budget preparation
	X		Maintains general ledger of accounts
			OTHER
c) on-site for $500.00/day plus expenses	c) on-site for $250.00/day plus expenses. No charge if at Maps office	b) 3 hours included c) on-site for $250.00/day plus travel expenses	Training and Implementation Support [5]
X	X	X	Enhancements planned to be released within upcoming year
X	X	X	Vendor provided a list of districts currently using their system
10/400	207/0	200/0	Number of school districts using the system/number of other users

COMPREHENSIVE SYSTEMS *(Hardware/Software located at one site only):* *(continued)*

System Name	Vendor Contact	Approximate Software Purchase Cost	Vendor Recommended Hardware Configuration & Approximate Cost	Vendor Support Services & Approximate Annual Cost
Entree! The Food Service Management System	**Via Media, Inc.** 6172 E. 20th St Tucson, AZ 85711 Butch Ryan, President (602) 790-3801	$6,220.00 (software programs can be purchased separately)	1-IBM PC compatible computer w/640 KB internal memory, 20 MB hard disk, monitor, printer and modem (located at the high school's central office) $3,135.00	*Multi-Vendor* Via Media offers phone and remote diagnostics support on software for $1010.00 Enhancements/updates to the software are included in the service contract Service on hardware would be obtained through a local vendor

COMPREHENSIVE SYSTEMS *(Hardware/Software located at multiple sites):*

System Name	Vendor Contact	Approximate Software Purchase Cost	Vendor Recommended Hardware Configuration & Approximate Cost	Vendor Support Services & Approximate Annual Cost
Bon Appetite	**Bon Appetite Software, Inc.** 9205 Youree Drive Shreveport, LA 71115 Tom Watts, Director of Marketing (800) 334-8934 (318) 798-9002	$19,096.00 (software programs can be purchased separately)	3-IBM System 36-5363 P-20 computers with 1 MB internal memory, 105 MB hard disk, monitors, and printers. (One of each at each school) 6-monochrome displays (one at each cashier station) $32,298.00	*Multi-Vendor* Bon Appetite offers toll-free software support at 9% of software purchase price or $1,718.64 Software updates/enhancements are included in the service agreement Hardware service would be obtained through a local IBM office

SYSTEM CAPABILITIES

Entree! The Food Service Management System	Bon Appetite	
		FREE & REDUCED APPLICATION PROCESSING
X	X	Determines F/R and temporary status according to USDA guidelines
X	X	Prints personalized notification letters to parents
X	X	Prints eligibility rosters and daily change reports by building
X	X	Draws samples by child/family for verification (focus/random)
X	X	Prints personalized verification letters to parents
X	X	Summarizes results of verification process per regulation
	X	Updates the eligibility category of each student file through an interface with the Point of Service (POS) module
		POINT OF SERVICE (POS) ACCOUNTABILITY
Currently developing an interface with Accu-Tab's Accu-Scan System (p. 10)	X	Generates meal count accountability reports (counts taken at the end of line) for breakfast/lunch
	X	Edits by school [2] a Daily lunch counts by category against 100% eligible (E) & attendance factor (AF)
	X	b Monthly meal count totals against AF x days x E
	X	c Daily against previous month's average daily participation
	X	Edit by SFA [3] Monthly meal count totals against AF x days x E
	X	Tracks *cash receipts* by school
	X	Tracks *sales income* by school
	X	Consolidates meal counts, cash receipts, and sales for district
	X	Generates reports itemizing the number of menu selections sold
	X	Generates individual student account activity reports
	O/X	Integrated with inventory (adjusts levels)/financial statement (transfers sales income)
		MENU PLANNING, PRINTING, NUTRITIONAL ANALYSIS
	X	Precosts recipes and menus
		Performs nutritional analysis of recipes and menus
	1000/20	Provides a nutrient file (number of items/number of nutrients)
	X/O	Has USDA recipe file available/other recipe file(s) available
		Assesses menus against USDA meal pattern requirements
	X	Prints monthly menu calendars
		INVENTORY CONTROL/PURCHASING
X	X	Prints physical inventory worksheets
X/(FIFO or RC)	X/(FIFO or WA)	Extends inventory for valuation/accounting method(s) used [4]
X	X	Maintains perpetual inventory
X	by school-does not consolidate	Tracks inventory levels by school and consolidates for a districtwide total
	400	Sample inventory item file available (indicate number of items)
X	X	Assists in forecasting amount of inventory needed
X	X	Prepares bid request documents and evaluates bids
X	X	Prints itemized purchase orders by vendor
X	X	Transfers food & nonfood costs to financial statement
		FOOD PRODUCTION AND DISTRIBUTION
	X	Forecasts amounts of foods to prepare by school
	X	Prints food production worksheets per regulation
	X	Prints yield adjusted recipes
	X	Prints inventory pull worksheets
	X	Prints satellite kitchen orders with portion control instructions
	X	Generates post cost of menus served
	X/O	Integrated with inventory (adjusts levels)/financial statement (transfers costs)
		PERSONNEL MANAGEMENT
		Determines labor scheduling needs
		Serves as a time clock
X		Tracks labor hours and costs
X		Reports accrual of benefits (vacation, sick, medical, etc.)
X		Tracks absenteeism
X		Transfers labor costs to the financial statement
		FINANCIAL MANAGEMENT
X	X	Tracks cash receipts and deposits by school and districtwide
X	X	Generates financial statements (profit/loss) for each school and districtwide
Labor expenses only	X	Projects revenue and expenses for budget preparation
	X	Maintains general ledger of accounts
		OTHER
b) phone support included	a) 13 days of on-site training included	Training and Implementation Support [5]
X	X	Enhancements planned to be released within upcoming year
X	X	Vendor provided a list of districts currently using their system
13/1	40/0	Number of school districts using the system/number of other users

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Computer Assisted Food Service	**CAFS, Inc.** 1084 Judge Sekul Avenue Biloxi, MS 39530 John Trojacek (214) 343-8915 Pam Berry (601) 825-7003	$28,985.00 (software programs can be purchased separately)	1-IBM PS/2 computer w/4 MB internal memory, 80 MB hard disk, printer, monitor, and modem at the high school. 2-IBM PS/2 computers w/2 MB internal memory, 60 MB hard disk, printers, monitors, and modems (at the elementary and middle schools). 6-IBM POS Terminals, membrane keyboard and cash drawers (one at each cashier station). 5-numeric keypads (one at each cashier station except for the elementary school). 1-card reader for the cashier station at the elementary school. $24,150.00	*Multi-Vendor* CAFS offers toll-free phone support on software at 10% of the purchase price or $2,898.00. Has remote diagnostics capabilities. Hardware service would be obtained through a local IBM vendor
Schoolserve	**Practorcare** 10951 Sorrento Valley Road San Diego, CA 92121 Nicholas Barzelis, Vice President (800) 421-9073 (619) 450-0553 (800) 421-9074 (California residents only)	$23,300.00 (software programs can be purchased separately)	1-IBM PC compatible computer with 640 KB internal memory, 40 MB hard disk, printer, monitor, and modem at the central office 1-IBM PC compatible computer with 640 KB and 20 MB hard disk, printer, monitor, and modem at the middle school. 6-Canon POS terminals with cash drawers (1 per cashier station) 5-card readers (for use at all cashier stations except at the elementary school) $20,420.00	*Multi-Vendor* Practorcare offers toll-free phone support on software and on-site dispatch service for POS terminals/card readers for $3,900.00. Has remote diagnostics capabilities. Software upgrades/enhancements are included in the service agreement. *The first year of software and POS hardware support/service is included in the purchase price.* Service for remaining hardware would be obtained through a local vendor
School Nutrition Accountability Program	**SNAP Systems, Inc.** P.O. Box 2410 Santa Monica, CA 90406-2410 Chip Goodman, President (800) 423-2113 (213) 393-9995	$27,994.00 (software programs can be purchased separately)	3-Tandy Computers, model 1000 TL-2 with 640 KB internal memory, 20 MB hard disk, printers, and monitors (one of each at each school) 6-POS terminals and slot card readers. 1-Tandy computer, model 3000 NL w/640 KB internal memory, 40 MB hard disk, monitor, and printer (located in the central office) 4-modems (one at each computer) $14,210.00	*Single-Vendor* SNAP offers toll-free phone support/remote diagnostics on software and on-site dispatch service on hardware for $2,095.00 Software upgrades/enhancements are included in the software service agreement

SYSTEM CAPABILITIES

Computer Assisted Food Service	Schoolserve	School Nutrition Accountability Program	
			FREE & REDUCED APPLICATION PROCESSING
X	X	X	Determines F/R, and temporary status according to USDA guidelines
X	X	X	Prints personalized notification letters to parents
X	X	X	Prints eligibility rosters and daily change reports by building
X	X	X	Draws samples by child/family for verification (focus/random)
X	X	X	Prints personalized verification letters to parents
X	X		Summarizes results of verification process per regulation
X	X	X	Updates the eligibility category of each student file through an interface with the Point of Service (POS) module
			POINT OF SERVICE (POS) ACCOUNTABILITY
X	X	X	Generates meal count accountability reports (counts taken at the end of line) for breakfast/lunch
	X	X	*Edits by school* [2] a. Daily lunch counts by category against 100% eligible (E) & attendance factor (AF)
	X	X	b. Monthly meal count totals against AF x days x E
	X		c. Daily against previous month's average daily participation
	X	X	*Edit by SFA* [3] Monthly meal count totals against AF x days x E
X	X	X	Tracks *cash receipts* by school
X	X	X	Tracks *sales income* by school
X	X	X	Consolidates meal counts, cash receipts, and sales for district
X	X	X	Generates reports itemizing the number of menu selections sold
X	X	X	Generates individual student account activity reports
X	O/X	X/X	Integrated with inventory (adjusts levels)/financial statement (transfers sales income)
			MENU PLANNING, PRINTING, NUTRITIONAL ANALYSIS
X	X	X	Precosts recipes and menus
X	X		Performs nutritional analysis of recipes and menus
User needs to create file	4000/101	No-user groups share	Provides a nutrient file (number of items/number of nutrients)
	X/X		Has USDA recipe file available/other recipe file(s) available
	X		Assesses menus against USDA meal pattern requirements
	X	X	Prints monthly menu calendars
			INVENTORY CONTROL, PURCHASING
X	X	X	Prints physical inventory worksheets
X/(FIFO)	X/(FIFO,WA,RC)	X/(WA)	Extends inventory for valuation/accounting method(s) used [4]
X	X	X	Maintains perpetual inventory
X	X	X	Tracks inventory levels by school and consolidates for a districtwide total
1200	1000	No-user groups share	Sample inventory item file available (indicate number of items)
X	X	X	Assists in forecasting amount of inventory needed
X	X		Prepares bid request documents and evaluates bids
X	X	X	Prints itemized purchase orders by vendor
X	X	X	Transfers food & nonfood costs to financial statement
			FOOD PRODUCTION AND DISTRIBUTION
	X	X	Forecasts amounts of foods to prepare by school
	X	X	Prints food production worksheets per regulation
X	X	X	Prints yield adjusted recipes
X	X	X	Prints inventory pull worksheets
X	X	X	Prints satellite kitchen orders with portion control instructions
	X	X	Generates post cost of menus served
X	X/X	X/X	Integrated with inventory (adjusts levels)/financial statement (transfers costs)
			PERSONNEL MANAGEMENT
X			Determines labor scheduling needs
	X		Serves as a time clock
	X		Tracks labor hours and costs
			Reports accrual of benefits (vacation, sick, medical, etc.)
			Tracks absenteeism
	X		Transfers labor costs to the financial statement
			FINANCIAL MANAGEMENT
X	X	X	Tracks cash receipts and deposits by school and districtwide
X	X	X	Generates financial statements (profit/loss) for each school and districtwide
	X	X	Projects revenue and expenses for budget preparation
X	X		Maintains general ledger of accounts
			OTHER
c) on-site for $350.00/day plus expenses	c) 5 days of on-site included in separate visits (travel cost extra)	a) 3 days of on-site included	Training and Implementation Support [5]
X	X	X	Enhancements planned to be released within upcoming year
X	X	X	Vendor provided a list of districts currently using their system
80/0	39/850	70/0	Number of school districts using the system/number of other users

System Name	Company/Contact	Approximate Software Purchase Cost	Vendor-Recommended Hardware Configuration & Approximate Cost	Vendor Support Services & Approximate Annual Cost
CBORD-Foodservice Management Systems	**The CBORD Group, Inc.** P.O. Box 700 Ithaca, NY 14851 Kimberly Marvin, Sales Coordinator/ Food Management Systems (607) 272-2410	$41,395.00 (software programs can be purchased separately)	2-IBM PC compatible computers w/1 MB internal memory monitors, tape drive, expansion bus, and interface card located at the high school office (one w/110 MB hard disk and one w/30 MB hard disk) 3-printers and terminals (one at each school) 4-modems (one at the elementary and middle schools and 2 at the high school) 3-prepayment card readers (one at each school) 5-POS terminals (one at each school except at the elementary school) 2-terminal readers (one at the elementary and one for back-up) $41,710.00	*Multi-Vendor* CBORD provides phone support/service on software and on-site/depot maintenance for POS hardware for $10,251.00 CBORD service is *not* optional — *it is required* Software enhancements/ updates are included in the service contract. Has remote diagnostics capabilities Service on remaining hardware would be obtained through a local vendor
Top Hat-School Food Service System	**Top Hat Systems, Ltd.** 2422 Rand Morgan Suite E Corpus Christi, TX 78410 Richard Martin, General Manager (512) 241-6110	$14,950.00 (software programs can be purchased separately)	1-IBM PC compatible computer — w/640 KB internal memory, 40 MB hard disk, monitor, printer, and modem at the central office in the high school 3-IBM PC compatible computers w/640 KB internal memory, 20 MB hard disk, *touch screen monitors*, slot card readers, register printers, cash drawers and modems (one at a cashier station at each school) 3-IBM PC compatible computers w/640 KB internal memory, single floppy disk drive, *touch screen monitors*, slot card readers, register printers, and cash drawers (One at the middle school and two at the high school's cashier stations) $22,845.00	*Multi-Vendor* Top Hat offers phone support on software components at *no charge* Hardware service would be obtained through a local vendor

CBORD-Foodservice Management Systems	Top Hat-School Food Service System	
		FREE & REDUCED APPLICATION PROCESSING
	X	Determines F/R, and temporary status according to USDA guidelines
	X	Prints personalized notification letters to parents
	X	Prints eligibility rosters and daily change reports by building
	X	Draws samples by child/family for verification (focus/random)
	X	Prints personalized verification letters to parents
	X	Summarizes results of verification process per regulation
	X	Updates the eligibility category of each student file through an interface with the Point of Service (POS) module
		POINT OF SERVICE (POS) ACCOUNTABILITY
X	X	Generates meal count accountability reports (counts taken at the end of line) for breakfast/lunch
		Edits by school [2] a. Daily lunch counts by category against 100% eligible (E) & attendance factor (AF)
		b. Monthly meal count totals against AF x days x E
		c. Daily against previous month's average daily participation
		Edit by SFA [3] Monthly meal count totals against AF x days x E
X	X	Tracks *cash receipts* by school
		Tracks *sales income* by school
X	X	Consolidates meal counts, cash receipts, and sales for district
X	X	Generates reports itemizing the number of menu selections sold
X	X	Generates individual student account activity reports
	O/X	Integrated with inventory (adjusts levels)/financial statement (transfers sales income)
		MENU PLANNING, PRINTING, NUTRITIONAL ANALYSIS
X	X	Precosts recipes and menus
X		Performs nutritional analysis of recipes and menus
4,500/71		Provides a nutrient file (number of items/number of nutrients)
O/X (extensive files available)		Has USDA recipe file available/other recipe file(s) available
		Assesses menus against USDA meal pattern requirements
X		Prints monthly menu calendars
		INVENTORY CONTROL, PURCHASING
X	X	Prints physical inventory worksheets
X/(WA or RC)	X/(WA)	Extends inventory for valuation/accounting method(s) used [4]
X	X	Maintains perpetual inventory
X	X	Tracks inventory levels by school and consolidates for a districtwide total
2,500		Sample inventory item file available (indicate number of items)
X		Assists in forecasting amount of inventory needed
X		Prepares bid request documents and evaluates bids
X	X	Prints itemized purchase orders by vendor
	X	Transfers food & nonfood costs to financial statement
		FOOD PRODUCTION AND DISTRIBUTION
X		Forecasts amounts of foods to prepare by school
X	X	Prints food production worksheets per regulation
X	X	Prints yield adjusted recipes
X	X	Prints inventory pull worksheets
X		Prints satellite kitchen orders with portion control instructions
X		Generates post cost of menus served
	X/X	Integrated with inventory (adjusts levels)/financial statement (transfers costs)
		PERSONNEL MANAGEMENT
X		Determines labor scheduling needs
	X	Serves as a time clock
	X	Tracks labor hours and costs
		Reports accrual of benefits (vacation, sick, medical, etc.)
		Tracks absenteeism
	X	Transfers labor costs to the financial statement
		FINANCIAL MANAGEMENT
	X	Tracks cash receipts and deposits by school and districtwide
	X	Generates financial statements (profit/loss) for each school and districtwide
		Projects revenue and expenses for budget preparation
	X	Maintains general ledger of accounts
		OTHER
c) on-site for $600.00/day plus travel expenses	a) Two weeks of on-site included	Training and Implementation Support [5]
X		Enhancements planned to be released within upcoming year
X		Vendor provided a list of districts currently using their system
5/470	2/unavailable	Number of school districts using the system/number of other users

POINT OF SERVICE SYSTEMS *(Electronic Cash Register based):*

Accu-Scan	**Accu-Tab Systems, Inc.** 1803 South Blvd. Parsons, Kansas 67357 Brian Copeland, National Sales Manager (800) 835-0698	$1,455.00	6-Accu-Scan POS terminals w/ cash drawers, stand alone printers and back-up data cartridges (one at each cashier station). $11,160.00	*Single-Vendor* Accu-Tab Systems offers toll-free phone consultation/ support at *no charge.* Hardware repairs are handled for a fee as needed
Microcheck	**Microcheck Systems, Inc.** 11320 South Post Oak Road Suite 201 Houston, TX 77035 RD Talasek, Jr National Sales Manager (713) 721-0080	Software is included with hardware components	6-LN-60 Microcheck POS terminals w/slot card readers, and cash drawers (one at each cashier location) POS terminal interface @ the middle and high school $18,000.00	*Single-Vendor* Local Microcheck dealers offer phone and on-site service on all POS hardware components for $65.00-$75.00/hour as needed
School Lunch System	**RDS Data Group, Inc.** 2023 Constitution Blvd. Sarasota, FL 34231 Kathleen Leonard, R.D. School Lunch Specialist (813) 922-6784	Software is included with hardware components	6-SHARP ER4230 POS terminals w/enhancement circuit boards and card readers (one at each cashier station) $18,600.00 (Prices may vary as system components are quoted and purchased from authorized SHARP dealers)	*Single Vendor* An authorized SHARP dealer provides on-site service on all POS hardware components for approximately $1,200.00 Creates initial menu and student files at no additional charge. Has remote diagnostics capabilities

Accu-Scan	Microcheck	School Lunch System	
			FREE & REDUCED APPLICATION PROCESSING
Currently developing an interface with **Via Media, Inc.** (p. 4)	A comprehensive, integrated, modular package is available on the VAX/VMS platform. Can integrate Microcheck POS with any system that will accept a flat ASCII file		Determines F/R and temporary status according to USDA guidelines
			Prints personalized notification letters to parents
			Prints eligibility rosters and daily change reports by building
			Draws samples by child/family for verification (focus/random)
			Prints personalized verification letters to parents
			Summarizes results of verification process per regulation
			Updates the eligibility category of each student file through an interface with the Point of Service (POS) module
			POINT OF SERVICE/POS/ACCOUNTABILITY
X	X	X	Generates meal count accountability reports (counts taken at the end of line) for breakfast/lunch
			Edits by school [2] a. Daily lunch counts by category against 100% eligible (E) & attendance factor (AF)
			b. Monthly meal count totals against AF x days x E
			c. Daily against previous month's average daily participation
			Edit by SFA [3] Monthly meal count totals against AF x days x E
X	X	X	Tracks *cash receipts* by school
Must add subtotals	X	X	Tracks *sales income* by school
	Need additional components	Need additional components	Consolidates meal counts, cash receipts, and sales for district
X	X	X	Generates reports itemizing the number of menu selections sold
			Generates individual student account activity reports
			Integrated with inventory (adjusts levels)/financial statement (transfers sales income)
			MENU PLANNING, PRINTING, NUTRITIONAL ANALYSIS
			Precosts recipes and menus
			Performs nutritional analysis of recipes and menus
			Provides a nutrient file (number of items/number of nutrients)
			Has USDA recipe file available/other recipe file(s) available
			Assesses menus against USDA meal pattern requirements
			Prints monthly menu calendars
			INVENTORY CONTROL, PURCHASING
			Prints physical inventory worksheets
			Extends inventory for valuation/accounting method(s) used [4]
			Maintains perpetual inventory
			Tracks inventory levels by school and consolidates for a districtwide total
			Sample inventory item file available (indicate number of items)
			Assists in forecasting amount of inventory needed
			Prepares bid request documents and evaluates bids
			Prints itemized purchase orders by vendor
			Transfers food & nonfood costs to financial statement
			FOOD PRODUCTION AND DISTRIBUTION
			Forecasts amounts of foods to prepare by school
			Prints food production worksheets per regulation
			Prints yield adjusted recipes
			Prints inventory pull worksheets
			Prints satellite kitchen orders with portion control instructions
			Generates post cost of menus served
			Integrated with inventory (adjusts levels)/financial statement (transfers costs)
			PERSONNEL MANAGEMENT
			Determines labor scheduling needs
			Serves as a time clock
			Tracks labor hours and costs
			Reports accrual of benefits (vacation, sick, medical, etc.)
			Tracks absenteeism
			Transfers labor costs to the financial statement
			FINANCIAL MANAGEMENT
			Tracks cash receipts and deposits by school and districtwide
			Generates financial statements (profit/loss) for each school and districtwide
			Projects revenue and expenses for budget preparation
			Maintains general ledger of accounts
			OTHER
c) on-site for 5% of the hardware purchase	c) on-site (2 days for $600.00)	a) 3 days of on-site (minimum) included	Training and Implementation Support [5]
X	X	X	Enhancements planned to be released within upcoming year
X	X	X	Vendor provided a list of districts currently using their system
275/1300	800/0	100/20	Number of school districts using the system/number of other users

POINT OF SERVICE SYSTEMS+ *(PC Computer based)*:

System Name	Vendor Contact	Approximate Software Package Cost	Vendor Recommended Hardware Configuration & Approximate Cost	Vendor Support Services & Approximate Annual Cost
Meal Master	**Commercial Data Systems** P.O. Box 2126 Tupelo, MS 38803 Sonya or Ronnie Keith (800) 832-1991 (601) 842-3282	$4,495.00 (software programs can be purchased separately)	1-IBM PC compatible computer w/ 640 KB internal memory, 30 MB hard disk, monitor, printer, and modem (located at the high school central office) 6-IBM PC computers w/512 KB internal memory w/slot card readers, cash drawers and surge protection. (one at each school) $26,235.00	*Multi-Vendor* CDS provides service on software for $1,500.00 which includes 6 hours of toll-free phone support per school each year. Has remote diagnostics capabilities. Enhancements/upgrades to software are included in the software service contract. Service on hardware would be obtained through a local vendor
Cafe	**Compel, Inc.** 5113 27th Avenue Rockford, IL 61109 Terrance Champion, Sales Manager (800) 545-0053 (815) 229-8600	$4,600.00 (software programs can be purchased separately)	1-IBM PC compatible computer w/ 512 KB internal memory and 20 MB hard disk, monitor, and printer (located at the high school central office). 6-Compel 486 POS terminals w/ cash drawers, card readers, modems, and 72 hour battery power back-up. Electrical surge protector on all outlets. (one located at each cashier station.) $18,155.00	*Multi-Vendor* Compel provides toll-free phone support on the software and POS hardware for $2,315.00. Has remote diagnostics capabilities. Enhancements/upgrades to software are included in the software service contract. Central office hardware service would be obtained through a local vendor
School Food Service Accounting System	**LeMar & Sons, Inc.** 1314 15th Street N #23 St. Cloud, MN 56303 Dan Smith, Vice President (612) 654-9517	Software is *leased* for $787.50/year	6-Macintosh SE computers, 1 MB internal memory and 20 MB hard disk (one at each cashier station). 3-printers (one at each school) $14,145.00	*Multi-Vendor* LeMar provides phone support on software which is *included* in the *annual lease* fee. Enhancements/updates are also included in the annual lease fee. Hardware service would be obtained through a local vendor

SYSTEM CAPABILITIES

Meal Master	Cafe	School Food Service Accounting System	
			FREE & REDUCED APPLICATION PROCESSING
X	X		Determines F/R, and temporary status according to USDA guidelines
X	X		Prints personalized notification letters to parents
X	X		Prints eligibility rosters and daily change reports by building
X	X		Draws samples by child/family for verification (focus/random)
X	X		Prints personalized verification letters to parents
X	X		Summarizes results of verification process per regulation
X	X		Updates the eligibility category of each student file through an interface with the Point of Service (POS) module
			POINT OF SERVICE - POS ACCOUNTABILITY
X	X	X	Generates meal count accountability reports (counts taken at the end of line) for breakfast/lunch
X	X		*Edits by school [2]* a Daily lunch counts by category against 100% eligible (E) & attendance factor (AF)
	X		b Monthly meal count totals against AF x days x E
	X		c Daily against previous month's average daily participation
	X		*Edit by SFA [3]* Monthly meal count totals against AF x days x E
X	X	X	Tracks *cash receipts* by school
	X	X	Tracks *sales income* by school
X	X	X	Consolidates meal counts, cash receipts, and sales for district
X	X	X	Generates reports itemizing the number of menu selections sold
X	X	X	Generates individual student account activity reports
			Integrated with inventory (adjusts levels)/financial statement (transfers sales income)
			MENU PLANNING, PRINTING, NUTRITIONAL ANALYSIS
			Precosts recipes and menus
			Performs nutritional analysis of recipes and menus
			Provides a nutrient file (number of items/number of nutrients)
			Has USDA recipe file available/other recipe file(s) available
			Assesses menus against USDA meal pattern requirements
			Prints monthly menu calendars
			INVENTORY CONTROL, PURCHASING
X			Prints physical inventory worksheets
X/(RC and WA)			Extends inventory for valuation/accounting method(s) used [4]
X			Maintains perpetual inventory
X			Tracks inventory levels by school and consolidates for a districtwide total
			Sample inventory item file available (indicate number of items)
X			Assists in forecasting amount of inventory needed
			Prepares bid request documents and evaluates bids
X			Prints itemized purchase orders by vendor
			Transfers food & nonfood costs to financial statement
			FOOD PRODUCTION AND DISTRIBUTION
			Forecasts amounts of foods to prepare by school
			Prints food production worksheets per regulation
			Prints yield adjusted recipes
			Prints inventory pull worksheets
			Prints satellite kitchen orders with portion control instructions
			Generates post cost of menus served
			Integrated with inventory (adjusts levels)/financial statement (transfers costs)
			PERSONNEL MANAGEMENT
			Determines labor scheduling needs
			Serves as a time clock
			Tracks labor hours and costs
			Reports accrual of benefits (vacation, sick, medical, etc.)
			Tracks absenteeism
			Transfers labor costs to the financial statement
			FINANCIAL MANAGEMENT
			Tracks cash receipts and deposits by school and districtwide
			Generates financial statements (profit/loss) for each school and districtwide
			Projects revenue and expenses for budget preparation
			Maintains general ledger of accounts
			OTHER
b) 5 hours of phone support included	c) 10 hours of on-site training for $500.00	a) 2 days of on-site training included — except travel costs	Training and Implementation Support [5]
X	X	X	Enhancements planned to be released within upcoming year
X	X	X	Vendor provided a list of districts currently using their system
209/0	14/0	35/0	Number of school districts using the system/number of other users

School Cafeteria System	**Micros P.O.S. Business Systems, Inc.** 12000 Baltimore Avenue Beltsville, MD 20705 Thomas Nicholson, Senior Vice President of Sales & Marketing (301) 497-6060	$2,095.00	1-IBM PC compatible computer w/512 KB internal memory, 20 MB hard disk, monitor, and printer (located at the high school office) 3-Micros 1323 POS terminals w/ slip printers, universal interface boards, bar code readers, EFI line conditioners (one at each school cashier station) 3-Micros 1223 POS terminals w/ universal interface boards, bar code readers, EFI line conditioners (one at the middle school and 2 at the high school) $26,291.00	*Single-Vendor* Local Micros' dealers offer on-site and phone support on software and hardware for $3,099.00 Software enhancements/updates are included in the software service contract
Cafeteria Management System	**National Computer Systems** 11000 Prairie Lakes Drive P.O. Box 9365 Minneapolis, MN 55440 Nan Warren, Sales Consultant (800) 447-3269	$6,505.00 (software programs can be purchased separately)	3-IBM PC compatible computers w/640 KB internal memory, 20 MB hard disk, monitors, printers, and modems (one at each school) 5-POS terminals (one at each cashier station except at the elementary school) 6-card readers and cash drawers (one at each cashier station) $16,190.00	*Single-Vendor* National Computer Systems offers toll-free phone and on-site support/service on software and hardware for $2,836.00 Software enhancements/updates are included in the software service agreement
ScMP — School Meal Program	**Prepaid Card Services, Inc.** One Blue Hill Plaza Box 1752, Suite 1830 Pearl River, NY 10965 Sherry Golden, Marketing Coordinator (914) 620-1414	$7,290.00 (software programs can be purchased separately)	3-NCR PC 286 FSC computers w/ 20 MB hard disk, *color* monitors, printers and modems (one at each school) 6 ScMP POS terminals with cash drawers and card readers or student numeric key pads (one at each cashier station) $24,381.00	*Single-Vendor* Prepaid Card Services offers hardware and software service through a local NCR Corporation office. Phone and on-site software support (first year) is available for $1,008.00 Has remote diagnostics capabilities *The first year of on-site hardware service is included in the purchase price* Hardware/software service (second year on) is available for $2,592.00 per year Software upgrades, enhancements and toll free support are included in the software service contract

School Cafeteria System	Cafeteria Management System	ScMP- School Meal Program	
			FREE & REDUCED APPLICATION PROCESSING
	X	X	Determines F/R, and temporary status according to USDA guidelines
	X	X	Prints personalized notification letters to parents
	(No-student files are updated electronically)	X	Prints eligibility rosters and daily change reports by building
	X	X	Draws samples by child/family for verification (focus/random)
	X	X	Prints personalized verification letters to parents
		X	Summarizes results of verification process per regulation
	X	X	Updates the eligibility category of each student file through an interface with the Point of Service (POS) module
			POINT OF SERVICE (POS) ACCOUNTABILITY
X	X	X	Generates meal count accountability reports (counts taken at the end of line) for breakfast/lunch
		X	Edits by school ² a. Daily lunch counts by category against 100% eligible (E) & attendance factor (AF)
	X		b. Monthly meal count totals against AF x days x E
	X		c. Daily against previous month's average daily participation
	X		Edit by SFA ³ Monthly meal count totals against AF x days x E
X	X	X	Tracks cash receipts by school
X	X	X	Tracks sales income by school
X	X	(additional PCS software is needed/available)	Consolidates meal counts, cash receipts, and sales for district
X	X	X	Generates reports itemizing the number of menu selections sold
	X	X	Generates individual student account activity reports
			Integrated with inventory (adjusts levels)/financial statement (transfers sales income)
			MENU PLANNING, PRINTING, NUTRITIONAL ANALYSIS
			Precosts recipes and menus
			Performs nutritional analysis of recipes and menus
			Provides a nutrient file (number of items/number of nutrients)
			Has USDA recipe file available/other recipe file(s) available
			Assesses menus against USDA meal pattern requirements
			Prints monthly menu calendars
			INVENTORY CONTROL/PURCHASING
		Currently integrated with the following vendor's systems • Computrition (p. 2) (MS DOS version) • MCAI (not reviewed) • School Lunch Computer Services, Inc. (p. 2)	Prints physical inventory worksheets
			Extends inventory for valuation/accounting method(s) used ⁴
			Maintains perpetual inventory
			Tracks inventory levels by school and consolidates for a districtwide total
			Sample inventory item file available (indicate number of items)
			Assists in forecasting amount of inventory needed
			Prepares bid request documents and evaluates bids
			Prints itemized purchase orders by vendor
			Transfers food & nonfood costs to financial statement
			FOOD PRODUCTION AND DISTRIBUTION
			Forecasts amounts of foods to prepare by school
			Prints food production worksheets per regulation
			Prints yield adjusted recipes
			Prints inventory pull worksheets
			Prints satellite kitchen orders with portion control instructions
			Generates post cost of menus served
			Integrated with inventory (adjusts levels)/financial statement (transfers costs)
			PERSONNEL MANAGEMENT
			Determines labor scheduling needs
			Serves as a time clock
			Tracks labor hours and costs
			Reports accrual of benefits (vacation, sick, medical, etc.)
			Tracks absenteeism
			Transfers labor costs to the financial statement
			FINANCIAL MANAGEMENT
			Tracks cash receipts and deposits by school and districtwide
			Generates financial statements (profit/loss) for each school and districtwide
			Projects revenue and expenses for budget preparation
			Maintains general ledger of accounts
			OTHER
c) 30 hours (on-site or off-site) for $2,720.00	c) 4 days of on-site for $3,600.00	c) 10 days of on-site for $3,500.00	Training and Implementation Support ⁵
	X	X	Enhancements planned to be released within upcoming year
X	X	X	Vendor provided a list of districts currently using their system
2/10,000 ·	25/0	25/0	Number of school districts using the system/number of other users

				▮▮▮▮▮
Food Service Administration	**School Administration Software, Inc.** 6033 Coye Drive P.O. Box 166 Stevens Point, WI 54481-0166 Karyn Christensen, Marketing Support Manager (715) 341-9406	$5,985.00 (Complete Student Record and Financial Management packages also available. All packages are integrated.)	1-IBM PC compatible computer w/640 KB internal memory, 20 MB hard disk, printer, bar code reader/wand, and monitor (at the elementary school). 2-IBM PC compatible computers w/2 MB internal memory, 20 MB hard disk, printers, monitors, and bar code readers/wands. (one located at the high school and one at the middle school). 3-IBM PC compatible computers w/640 KB internal memory, single floppy disk drives, monitors and card readers/wands. (one at the middle school and two at the high school). 2-Networks (one at the middle school and one at the high school). $21,400.00	*Single-Vendor* School Administration Software provides service on software and hardware via the phone or on-site support if needed. Annual *software license is required* @ $900.00. Hardware maintenance is available @ $1,250.00. Software upgrades/enhancements are included in the software license. Has remote diagnostics capabilities.
Meal Time	**Tri-Com Systems, Inc.** 6700 SW 105th Suite 216 Beaverton, OR 97005 Robbie Whitecotton, President (800) 937-4187 (503) 526-0904	$5,070.00 (software programs can be purchased separately)	3-IBM PC/XT or compatible computers w/640 KB internal memory, 20 MB hard disk, *color* monitors, printers, and slot card readers. (one at each school located at a cashier station). 3-POS terminals w/slot card readers (one at the middle school and two at the high school). 6-cash drawers (one at each cashier location). $14,034.00	*Multi-Vendor* Tri-Com offers toll-free phone support on software at 15% of the software purchase price. Has remote diagnostics capabilities. Software enhancements/updates are included in the software service agreement. POS hardware repairs are handled through express mail as needed. Service on all hardware (except POS hardware) would be obtained through a local vendor.

Food Service Administration   *Meal Time*

Food Service Administration	Meal Time	Description
		FREE & REDUCED APPLICATION PROCESSING
	X	Determines F/R, and temporary status according to USDA guidelines
	X	Prints personalized notification letters to parents
	X	Prints eligibility rosters and daily change reports by building
	X	Draws samples by child/family for verification (focus/random)
	X	Prints personalized verification letters to parents
		Summarizes results of verification process per regulation
	X	Updates the eligibility category of each student file through an interface with the Point of Service (POS) module
		POINT OF SERVICE (POS) ACCOUNTABILITY
X	X	Generates meal count accountability reports (counts taken at the end of line) for breakfast/lunch
	X	Edits by school [2] a Daily lunch counts by category against 100% eligible (E) & attendance factor (AF)
	X	b Monthly meal count totals against AF x days x E
	X	c Daily against previous month's average daily participation
	X	Edit by SFA [3] Monthly meal count totals against AF x days x E
	X	Tracks *cash receipts* by school
X	X	Tracks *sales income* by school
	X	Consolidates meal counts, cash receipts, and sales for district
X	X	Generates reports itemizing the number of menu selections sold
X	X	Generates individual student account activity reports
		Integrated with inventory (adjusts levels)/financial statement (transfers sales income)
		MENU PLANNING, PRINTING, NUTRITIONAL ANALYSIS
		Precosts recipes and menus
		Performs nutritional analysis of recipes and menus
		Provides a nutrient file (number of items/number of nutrients)
		Has USDA recipe file available/other recipe file(s) available
		Assesses menus against USDA meal pattern requirements
		Prints monthly menu calendars
		INVENTORY CONTROL, PURCHASING
	Currently integrated with **School Lunch Computer Services, Inc.** (Lunch Cruncher p 2)	Prints physical inventory worksheets
		Extends inventory for valuation/accounting method(s) used [4]
		Maintains perpetual inventory
		Tracks inventory levels by school and consolidates for a districtwide total
		Sample inventory item file available (indicate number of items)
		Assists in forecasting amount of inventory needed
		Prepares bid request documents and evaluates bids
		Prints itemized purchase orders by vendor
		Transfers food & nonfood costs to financial statement
		FOOD PRODUCTION AND DISTRIBUTION
		Forecasts amounts of foods to prepare by school
		Prints food production worksheets per regulation
		Prints yield adjusted recipes
		Prints inventory pull worksheets
		Prints satellite kitchen orders with portion control instructions
		Generates post cost of menus served
		Integrated with inventory (adjusts levels)/financial statement (transfers costs)
		PERSONNEL MANAGEMENT
		Determines labor scheduling needs
		Serves as a time clock
		Tracks labor hours and costs
		Reports accrual of benefits (vacation, sick, medical, etc)
		Tracks absenteeism
		Transfers labor costs to the financial statement
		FINANCIAL MANAGEMENT
		Tracks cash receipts and deposits by school and districtwide
		Generates financial statements (profit/loss) for each school and districtwide
		Projects revenue and expenses for budget preparation
		Maintains general ledger of accounts
		OTHER
c) 1 day of training for $1,650.00	c) $300.00/day plus travel expenses	Training and Implementation Support [5]
X	X	Enhancements planned to be released within upcoming year
X	X	Vendor provided a list of districts currently using their system
6/0	15/0	Number of school districts using the system/number of other users

		Approximate [...] Package [...]	[...] PC [...] Hardware Configuration & Approximate Cost	Vendor Support Services & Approximate Annual Cost
Casea	**Vertical Solutions, Inc.** P.O. Box 274 Ortonville, MN 56278 Curt Johnson, President (612) 839-2587	$150.00 (excluding the cost of operating system software)	1-IBM PC compatible computer w/512 KB internal memory, 10 MB hard disk, monitor, printer, Casea translator and card laminator. (located at the high school's central office). 6-Casea POS entry stations w/ scanning wands and memory module (located at each cashier station). 3-additional Casea memory modules. 1-Card laminator (model 6000) $8,580.00	*Multi-Vendor* Vertical Solutions offers service on the Casea hardware and software. Phone support is provided at no charge. On-site support is available for $25.00 per hour plus travel expenses. Hardware service for remaining computer hardware would be obtained through a local vendor.
The Lunch Cashier System/The Food Inventory System	**Wordware, Inc.** Rt. 2, Box 94 Dassel, MN 55325 Carolyn Meinhardt, President (612) 275-2621	$990.00 (excluding the cost of operating system software — programs can be purchased separately)	6-IBM PC compatible computers w/384 KB internal memory, single disk drive, monitors, and hand held wands (one at each cashier station). 1-IBM PC compatible computer w/640 KB internal memory, 20 MB hard disk, printer, and monitor. (located at the high school's central office). $10,805.00	*Multi-Vendor* Wordware offers phone support or on-site service on software and wands for $30.00 per hour plus travel expenses. (90 days of phone support is included in purchase). Hardware service would be obtained through a local vendor.

Cases	The Lunch Cashier System/ The Food Inventory System	
		FREE & REDUCED APPLICATION PROCESSING
		Determines F/R, and temporary status according to USDA guidelines
		Prints personalized notification letters to parents
		Prints eligibility rosters and daily change reports by building
		Draws samples by child/family for verification (focus/random)
		Prints personalized verification letters to parents
		Summarizes results of verification process per regulation
		Updates the eligibility category of each student file through an interface with the Point of Service (POS) module
		POINT OF SERVICE POS ACCOUNTABILITY
X	Handles Lunch Only	Generates meal count accountability reports (counts taken at the end of line) for breakfast/lunch
	X	Edits by school ? a Daily lunch counts by category against 100% eligible (E) & attendance factor (AF)
	X	b Monthly meal count totals against AF x days x E
	X	c Daily against previous month's average daily participation
	X	Edit by SFA] Monthly meal count totals against AF x days x E
X	X	Tracks cash receipts by school
X	X	Tracks sales income by school
	X	Consolidates meal counts, cash receipts, and sales for district
X	X	Generates reports itemizing the number of menu selections sold
X	X	Generates individual student account activity reports
		Integrated with inventory (adjusts levels)/financial statement (transfers sales income)
		MENU PLANNING, PRINTING, NUTRITIONAL ANALYSIS
		Precosts recipes and menus
		Performs nutritional analysis of recipes and menus
		Provides a nutrient file (number of items/number of nutrients)
		Has USDA recipe file available/other recipe file(s) available
		Assesses menus against USDA meal pattern requirements
		Prints monthly menu calendars
		INVENTORY CONTROL PURCHASING
	X	Prints physical inventory worksheets
	X/(WA)	Extends inventory for valuation/accounting method(s) used [4]
	X	Maintains perpetual inventory
	X	Tracks inventory levels by school and consolidates for a districtwide total
	700	Sample inventory item file available (indicate number of items)
	X	Assists in forecasting amount of inventory needed
		Prepares bid request documents and evaluates bids
		Prints itemized purchase orders by vendor
		Transfers food & nonfood costs to financial statement
		FOOD PRODUCTION AND DISTRIBUTION
		Forecasts amounts of foods to prepare by school
		Prints food production worksheets per regulation
		Prints yield adjusted recipes
		Prints inventory pull worksheets
		Prints satellite kitchen orders with portion control instructions
		Generates post cost of menus served
		Integrated with inventory (adjusts levels)/financial statement (transfers costs)
		PERSONNEL MANAGEMENT
		Determines labor scheduling needs
		Serves as a time clock
		Tracks labor hours and costs
		Reports accrual of benefits (vacation, sick, medical, etc)
		Tracks absenteeism
		Transfers labor costs to the financial statement
		FINANCIAL MANAGEMENT
	X	Tracks cash receipts and deposits by school and districtwide
		Generates financial statements (profit/loss) for each school and districtwide
		Projects revenue and expenses for budget preparation
		Maintains general ledger of accounts
		OTHER
c) on-site for $25.00/hour plus travel expenses	c) on-site for $30.00/hour plus travel expenses	Training and Implementation Support [5]
X	X	Enhancements planned to be released within upcoming year
X	X	Vendor provided a list of districts currently using their system
24/6	11/0	Number of school districts using the system/number of other users

SPECIALIZED MODULES:

Cook-Ware	**Dynatran Computer Systems, Inc.** 5150 SW Griffith Drive Beaverton, OR 97005 Barbara Arnold, Customer Service Director (800) 423-7650 (503) 646-9045	$2,045.00 (software programs can be purchased separately)	1-IBM PC compatible computer w/640 KB internal memory, 20 MB hard disk, monitor and printer (located at the high school central office). $2,675.00	*Multi-Vendor* Dynatran offers toll-free phone support on software concerns for $500.00 (includes one hour per month of phone support). 30 days of "unlimited" toll-free support is included with the purchase of software. Has remote diagnostics capabilities. Nutrient data base updates cost approximately $50.00/year. Hardware service would be obtained through a local vendor.
The Food Processor II	**ESHA Research** P.O. Box 13028 Salem, OR 97309 Patricia Bishop, Nutritionist (503) 585-6242/7755	$295.00 (excluding the cost of operating system software) More advanced programs also available.	1-IBM PC compatible, Apple II series, or Macintosh computer with a monitor, and printer $2,675.00	*Multi-Vendor* ESHA offers phone support on software concerns at no charge. Nutrient data base updates cost approximately $50.00/year. Hardware service would be obtained through a local vendor.
Inease/Lunch Box	**JD Development** 744 Gilbert Highway Fairfield, CT 06430 Barbara LeKashman (203) 259-5779	$225.00 (excluding the cost of operating system software — programs can be purchased separately)	1-IBM PC compatible computer w/640 KB internal memory, 20 MB hard disk, monitor, and printer $2,675.00	*Multi-Vendor* JD Development offers phone support on software at no charge. Hardware service would be obtained through a local vendor.

Cook-Ware	The Food Processor II	Inease/Lunch Box	
			FREE & REDUCED APPLICATION PROCESSING
			Determines F/R, and temporary status according to USDA guidelines
			Prints personalized notification letters to parents
			Prints eligibility rosters and daily change reports by building
			Draws samples by child/family for verification (focus/random)
			Prints personalized verification letters to parents
			Summarizes results of verification process per regulation
			Updates the eligibility category of each student file through an interface with the Point of Service (POS) module
			POINT OF SERVICE (POS) ACCOUNTABILITY
			Generates meal count accountability reports (counts taken at the end of line) for breakfast/lunch
			Edits by school [2] a Daily lunch counts by category against 100% eligible (E) & attendance factor (AF)
			b Monthly meal count totals against AF x days x E
			c Daily against previous month's average daily participation
			Edit by SFA [3] Monthly meal count totals against AF x days x E
			Tracks *cash receipts* by school
			Tracks *sales income* by school
			Consolidates meal counts, cash receipts, and sales for district
			Generates reports itemizing the number of menu selections sold
			Generates individual student account activity reports
			Integrated with inventory (adjusts levels), financial statement (transfers sales income)
			MENU PLANNING, PRINTING, NUTRITIONAL ANALYSIS
X			Precosts recipes and menus
X	X		Performs nutritional analysis of recipes and menus
1950/58	2400/30		Provides a nutrient file (number of items/number of nutrients)
O/X			Has USDA recipe file available/other recipe file(s) available
			Assesses menus against USDA meal pattern requirements
		X	Prints monthly menu calendars
			INVENTORY CONTROL, PURCHASING
X		X	Prints physical inventory worksheets
X/(RC)		X/(RC)	Extends inventory for valuation/accounting method(s) used [4]
X			Maintains perpetual inventory
Tracks at one location only		X	Tracks inventory levels by school and consolidates for a districtwide total
20		250	Sample inventory item file available (indicate number of items)
X			Assists in forecasting amount of inventory needed
			Prepares bid request documents and evaluates bids
X			Prints itemized purchase orders by vendor
			Transfers food & nonfood costs to financial statement
			FOOD PRODUCTION AND DISTRIBUTION
			Forecasts amounts of foods to prepare by school
			Prints food production worksheets per regulation
X			Prints yield adjusted recipes
X			Prints inventory pull worksheets
			Prints satellite kitchen orders with portion control instructions
			Generates post cost of menus served
			Integrated with inventory (adjusts levels)/financial statement (transfers costs)
			PERSONNEL MANAGEMENT
			Determines labor scheduling needs
			Serves as a time clock
			Tracks labor hours and costs
			Reports accrual of benefits (vacation, sick, medical, etc.)
			Tracks absenteeism
			Transfers labor costs to the financial statement
			FINANCIAL MANAGEMENT
			Tracks cash receipts and deposits by school and districtwide
			Generates financial statements (profit/loss) for each school and districtwide
			Projects revenue and expenses for budget preparation
			Maintains general ledger of accounts
			OTHER
b) 30 days phone support included	b) phone support at no charge	b) phone support at no charge	Training and Implementation Support [5]
X	X		Enhancements planned to be released within upcoming year
X (not districts)	X (not districts)	X	Vendor provided a list of districts currently using their system
0/200	unsure/6,000	40/5	Number of school districts using the system/number of other users

Module Name	Company/Contact	Approximate Software Purchase Cost	Type of Recommended Hardware Configuration & Approximate Cost	Vendor Support Services & Approximate Annual Cost
Diet Simple Plus	**N-Squared Computing** 3040 Commercial St. SE. Suite 240 Salem, OR 97302 Laurie North, Vice President (503) 364-9118	$295.00 (excluding the cost of operating system software) More advanced programs also available.	1-IBM PC compatible, Apple II, or Macintosh computer with a monitor, & printer. $2,675.00	*Multi-Vendor* N-Squared offers phone support on software concerns at no charge. Nutrient data base is updated twice annually for $25.00 per update. Hardware service would be obtained through a local vendor.
Precision Free/ Reduced Lunch	**Precision Computer Systems** 575 West Riordan Road Flagstaff, AZ 86001 Drake Bliss, Vice President (512) 442-2992	$495.00 (excluding the cost of operating system software)	1-Apple II, Macintosh, or IBM PC compatible computer w/2 disk drives or single disk drive with 20 MB hard disk, monitor, printer, and spike and line filter $2,725.00	*Multi-Vendor* Precision Computer Systems offers phone support on software at no charge. Hardware service would be obtained through a local vendor
Menu Planner Management Software	**Washington State Dairy Council** 3830 Stone Way North Seattle, WA 98103 Anita Jo Finch, Developer (206) 632-9335	$500.00 (excluding the cost of the operating system software)	1-IBM PC compatible computer w/512 KB internal memory, 20 MB hard disk, monitor, and printer $2,675.00	*Multi-Vendor* The Washington State Dairy Council offers phone support on software concerns for $200.00 Hardware service would be obtained through a local vendor

SYSTEM CAPABILITIES

Diet Simple Plus	Precision Free/ Reduced Lunch	Menu Planner Management Software	
			FREE & REDUCED APPLICATION PROCESSING
	X		Determines F/R and temporary status according to USDA guidelines
	X		Prints personalized notification letters to parents
	X		Prints eligibility rosters and daily change reports by building
	X		Draws samples by child/family for verification (focus/random)
	X		Prints personalized verification letters to parents
			Summarizes results of verification process per regulation
			Updates the eligibility category of each student file through an interface with the Point of Service (POS) module
			POINT OF SERVICE (POS) ACCOUNTABILITY
			Generates meal count accountability reports (counts taken at the end of line) for breakfast/lunch
			Edits by school [2] a. Daily lunch counts by category against 100% eligible (E) & attendance factor (AF)
			b. Monthly meal count totals against AF x days x E
			c. Daily against previous month's average daily participation
			Edit by SFA [3] Monthly meal count totals against AF x days x E
			Tracks *cash receipts* by school
			Tracks *sales income* by school
			Consolidates meal counts, cash receipts, and sales for district
			Generates reports itemizing the number of menu selections sold
			Generates individual student account activity reports
			Integrated with inventory (adjusts levels)/financial statement (transfers sales income)
			MENU PLANNING, PRINTING, NUTRITIONAL ANALYSIS
X			Precosts recipes and menus
X			Performs nutritional analysis of recipes and menus
2,000/58			Provides a nutrient file (number of items/number of nutrients)
X			Has USDA recipe file available/other recipe file(s) available
		X	Assesses menus against USDA meal pattern requirements
		X	Prints monthly menu calendars
			INVENTORY CONTROL, PURCHASING
			Prints physical inventory worksheets
			Extends inventory for valuation/accounting method(s) used [4]
			Maintains perpetual inventory
			Tracks inventory levels by school and consolidates for a districtwide total
		400	Sample inventory item file available (indicate number of items)
			Assists in forecasting amount of inventory needed
			Prepares bid request documents and evaluates bids
			Prints itemized purchase orders by vendor
			Transfers food & nonfood costs to financial statement
			FOOD PRODUCTION AND DISTRIBUTION
			Forecasts amounts of foods to prepare by school
		X	Prints food production worksheets per regulation
		X	Prints yield adjusted recipes
			Prints inventory pull worksheets
		X	Prints satellite kitchen orders with portion control instructions
			Generates post cost of menus served
			Integrated with inventory adjusts every finance statement transfers costs
			PERSONNEL MANAGEMENT
			Determines labor scheduling needs
			Serves as a time clock
			Tracks labor hours and costs
			Reports accrual of benefits (vacation, sick, medical, etc.)
			Tracks absenteeism
			Transfers labor costs to the financial statement
			FINANCIAL MANAGEMENT
			Tracks cash receipts and deposits by school and districtwide
			Generates financial statements (profit/loss) for each school and districtwide
			Projects revenue and expenses for budget preparation
			Maintains general ledger of accounts
			OTHER
b) phone support at no charge	b) phone support at no charge	b) phone support at no charge	Training and Implementation Support [5]
X	X		Enhancements planned to be released within upcoming year
X	X	X	Vendor provided a list of districts currently using their system
unsure/75,000	57/0	15/0	Number of school districts using the system/number of other users

FOOTNOTES

1. **Vendor Support Services and Approximate Annual Costs:**

   Vendors were asked to describe the type and approximate annual cost of support services available for maintaining the software and hardware configuration that they had recommended. Most vendors offer an optional annual maintenance contract while several vendors require it. The type of vendor arrangement and support services offered by the vendor(s) are described as follows:

   a) **Vendor arrangement:**

      - **Single-Vendor** — one vendor provides service on all hardware and software components. In this situation, if there is a problem with the system only one vendor needs to be contacted.

      - **Multi-Vendor** — two or more vendors are involved in providing service on the software and hardware components. This is the most common service arrangement as most vendors market the software and use hardware from different vendors.

   b) **Support services available as part of an annual contract:**

      - Telephone support is the most common method used by software vendors in providing support services. To obtain this service SFAs may be using a local number, a long distance number, or a toll-free number set-up by the vendor(s).

      - Remote diagnostics is a type of phone support requiring additional software and modems which enables the vendor to "dial-up" your system and actually see what is on your computer screen while talking with you. Remote diagnostics can help make more productive use of time in diagnosing and correcting system concerns.

      - On-site service and support are provided by several vendors particularly those that also sell hardware components. This is usually the best form of service. In most cases on-site support is only available when the vendor has multiple installations in a particular geographical area, the vendor provides service through local dealers, and/or the vendor is large and diverse enough to have offices in multiple locations.

   c) **Enhancements:**

      If enhancements or updates to the vendor's software are provided when the SFA purchases the vendor's annual software service contract it has been indicated.

2. **AccuClaim Edits by School:**

   a) **Daily against 100% eligible (E) and an attendance factor (AF)** — Compares (edits) daily counts of free and reduced lunches served against 100% of the eligible students and compares to the number of students eligible for free and reduced price meals times an attendance factor. Compares total lunches served to enrollment and attendance.

   b) **Monthly meal count totals of free, reduced and total lunches served against AF x days X E** — Compares each school's monthly claim totals for free and reduced price lunches against the number of free and reduced price eligible students times the number of days meals were served that month times the school's attendance factor. Edits total lunches served for the month against average daily attendance times days.

   c) **Daily against previous month's average daily participation** — Compares daily counts of free, reduced, and total lunches served against the school's previous month's average daily participation.

3. **AccuClaim Edit by SFA:**

   Edits the SFA's monthly claim totals for free and reduced price lunches against the number of free and reduced price eligible students times the number of days meals were served that month times the SFA's attendance factor. Edits total lunches served for the month against the average daily attendance times days served.

4. **Extends Inventory for Valuation/Accounting Method(s) Used:**

Following are the accounting methods being used to calculate inventory costs and the value of inventory on-hand.

a) **First in, First out (FIFO):** An inventory valuation method which determines the cost of goods used/sold and ending inventory value by assuming that the goods first purchased are the goods first used/sold. The system which uses this method tracks the actual purchase cost associated with each inventory item and thus calculates inventory valuation using the actual cost of each inventory item.

b) **Replacement Cost (RC):** An inventory valuation method by which all items are valued in terms of the amount necessary to replace them with a similar substitute at the current time.

c) **Weighted Average (WA):** An inventory valuation method which determines cost of goods used/sold and ending inventory value based on the average cost of the inventory.

5. **Training and Implementation Support:**

The training and implementation arrangements offered by vendors typically fall into one or more of the following categories:

a) **On-site training included**

This category refers to vendors who provide on-site training and implementation support and who have included it in the purchase of the system.

b) **Phone support training included**

This category refers to vendors who provide phone support during the training and implementation phase and who have included it in the purchase of the system.

c) **On-site training and/or phone support available**

Most vendors offer this type of training and implementation support where the type, amount, and frequency of training services provided is an issue that is negotiated separately from the purchase of the system.