METHODOLOGY FOR DETERMINING CALIFORNIA AGRICULTURAL EXPORTS:

Data to compute agricultural exports are derived from official government sources, published industry sources and unpublished information from government and industry. Total US export quantities and values and California port exports are from Department of Commerce trade data posted on the United States International Trade Commission online database (http://dataweb.usitc.gov/). Canadian import data are from the Statistics Canada online database (http://www.statcan.ca/start.html). Production quantities and values are from various National Agricultural Statistics Service (NASS) and Economic Research Service (ERS) Publications.

Export data were converted into Metric Tons (MT) or Hectoliters (HL).
Conversions: 1 MT = 2204.622 pounds; 1 gallon = 0.037853 HL; 1 short ton = 2000 pounds; 1 cwt = 100 pounds

Key to Formulas and Sources:
CAN = Value of California exports to Canada.
PORT.Q = Quantity shipped from California Ports.
PORT.V = Value shipped from California Ports.
Q.AZ = Arizona production quantity.
Q.CA = California production quantity.
V.CA = California value of production.
V.US = US value of production.
EX.Q = Quantity of US exports.
EX.V = Value of US exports.
EX.CA.Q = California export quantity.
EX.CA.V = California export value.
EX.SHARE = % of CA production exported
PROD = California share of national production.
SHARE = CA share of US exports

USITC = United States International Trade Commission online trade database
STATCAN = Statistics Canada online trade database
NASS = USDA, National Agricultural Statistics Service
ERS = USDA, Economic Research Service

ALMONDS: California Export Quantity and Value = EX.Q and EX.V.
Quantity reported on a shelled basis.

APPLIES: California Export Value = 0.304 * Q.CA * (EX.Vfresh / EX.Qfresh) + (CANjuice + CANdried + PORT.Vjuice + PORT.Vdried).
California Export Quantity = (0.304 * CA.Qfresh) + PORT.Qjuice + PORT.Qdried +
Industry sources report 30.4 percent of California fresh production being exported (EX.SHARE=30.4%). (USITC, STATCAN, and NASS Non-Citrus Fruit and Nut 1999 Summary, p. 11).

APRICOTS: California Export Value = EX.CA.Qfresh * (EX.Vfresh / EX.Qfresh) + EXVcanned + EXVdried. California Export Quantity = (SHARE * EXQfresh) + EXQcanned + EXQdried. California’s share of US fresh apricot exports derived from industry sources. (USITC).

ARTICHOKEs: California Export Quantity and Value = EX.Q and EX.V. (USITC).


AVOCADOS: California Export Value = SHARE * EX.V. California Export Quantity = SHARE * EX.Q. California’s share of US exports from industry sources: 1998=95%, 1999=95%. (USITC).


CARROTS: California Export Value = CANfresh + PORT.Vfresh + (PRODfrozen * EX.Vfrozen).
California Export Quantity = PORT.Qfresh + (CANfresh/EX.V fresh)*EX.Q fresh + (EX.Q frozen*PRODFrozen).
(STATCAN, USITC, NASS Vegetables 1999 Summary, p. 71).

BEEF and PRODUCTS: California Export Value = EX.CA.Qedible * (PORT.Vedible / PORT.Qedible) + EX.Vlive * SHARE.VALUEedible + EX.Vnoned * SHARE.VALUEedible.
California Export Quantity = (Q.CAedible * EX.SHARE) + SHARE.VALUEedible * EX.Qlive.
Q.CA production converted from live weight using 0.62 lbs. meat per 1 lb. live weight.
SHARE.VALUEedible = (EX.CA.Qedible * (PORT.Vedible / PORT.Qedible)) / EX.Vedible. No quantity provided for non-edible exports. Export shares derived from industry sources.
(USITC, NASS Livestock Slaughter 1999 Summary, p.35).

CAULIFLOWER: California Export Value = CANfresh + PORT.Vfresh.
California Export Quantity = PORT.Qfresh + (CANfresh / EX.Vfresh)* EX.Qfresh.
(STATCAN, USITC).

CELERY: California Export Value = PROD * EX.V.
California Export Quantity = PROD * EX.Q.
Production share: 1995=91.08%, 1996=90.09%, 1997=93.11%, 1999=93.44%.
(USITC, NASS Vegetables 1999 Summary, p. 18).

CHERRIES-SWEET: California Export Value = (EX.CA.Q / EX.Qsweet) * EX.Vsweet.
California Export Quantity = EX.CA.Q.
California production/export data (EX.CA.Q) provided by industry sources.
(USITC).

CHICKEN: California Export Value = (SHARE.broilers * EX.Vchicken) + SHARE.broilers * EX.Vlive.
California Export Quantity = (0.05 * Q.CAbroilers) + SHARE broilers * EX.Qlive.
SHARE.broilers = (EX.CA.Qbroilers / EX.Qbroilers). 5% EX. SHARE is an estimate derived from industry sources. Q.CAbroilers is converted from live weight to meat with a factor of 0.72. Q.CAbroilers is from the Poultry Production and Value Summary.
(USITC, NASS Poultry Production and Value 1999 Summary).

COTTON LINT: California Export Value = (PORT.Vmedium / PORT.Qmedium) * EX.CA.Qmed + (PORT.Vlong / PORT.Qlong) * EX.CA.Qlong + (EX.CA.Qpima / EX.Qpima) * EX.Vpima + (EX.CA.Qlinters/EX.Q.linters) * EX.Vlinters.
California Export Quantity = Q.CAupland*EX.SHARE * STAPLE SHAREmedium + Q.Caupland * EX.SHARE * STAPLE SHARElong + PROD * EX.Qpima + ((EX.CA.Qlong + EX.CA.Qmedium + EX.CA.Qpima)/( EX.Qlong + EX.Qmedium +
EX.Qpima) * EX.Qlinters
California Pima production share from NASS: 1995=61%, 1996=71%, 1997=78%,
1998=80%, 1999=87.6%.
Staple length shares provided by industry sources: 1995: Medium=38%, long-62%, 1996:
medium=40%, long 60%, 1997: medium=55%, long=45%, 1998: medium=45%,
long=55%, 1999: medium 48%, long 52%.
Upland export share (EX.SHARE) provided by industry sources: 1995-1997= 85%,
1998=80%, 1999=83%. EX.Qpima is from monthly ERS Situation and Outlook reports.
(USITC, NASS, ERS Cotton and Wool Outlook, Monthly Reports).

COTTONSEED: California Export Value = PORT.Voil.
California Export Quantity = PORT.Qoil.
(USITC).

DATES: California Export Quantity and Value = EX.Q and EX.V.
(USITC).

EGGS: California Export Value = (EX.CA.Qeggs / EX.Qeggs) * EX.Veggs.
California Export Quantity = EX.SHARE * Q.CAeggs.
Export share is an estimate derived from industry sources: 1995-1997=1.8%,
1998=1.43%, 1999=1.7%
(USITC, NASS Chickens and Eggs 1999 Summary).

FIGS: California Export Quantity and Value = EX.Q and EX.V.
(USITC).

FLOWERS AND NURSERY: California Export Value = 0.003*V.CA Nursery Products
+ 0.05*V.CA Flowers and Foliage.
California Export Quantity = no export quantity provided for Flowers and Nursery.
Export shares derived from industry sources. V.CA Flowers and Foliage from NASS
Floriculture Crops Annual Summary. V.CA_t Nursery Products = V.CA_{t-1} Nursery
Products * \{1+[(V.CA_t Flowers and Foliage – V.CA_{t-1} Flowers and Foliage)/
V.CA_{t-1} Flowers and Foliage]\}. V.CA_t Nursery Products from CDFA Agricultural Resource
Directory.
(USITC, NASS Floriculture Crops 1999 Summary p. 7, CDFA Agricultural Resource

GARLIC: California Export Quantity and Value = EX.Q and EX.V.
(USITC).

GRAPES, TABLE: California Export Value = SHARE * EX.V + 0.18 * EX.Vmix.
California Export Quantity = SHARE * EX.Q + 0.18 * EX.Qmix.
California’s share of US exports derived from industry sources: 1998=99.5%
1999=99.5%. EX.Qmix and EX.Vmix are canned mixed fruit. Canned mixed fruit
contains a minimum of 18 percent grapes.
(USITC).
GRAPES, RAISINS: California Export Quantity and Value = EX.Q and EX.V. (USITC).

GRAPES, JUICE: California Export Value = CANjuice + PORT.Vjuice. California Export Quantity = PORT.Qjuice + (CANjuice / EX.Vjuice) * EX.Qjuice. (USITC, STATCAN).

WINE: California Export Value = PROD * EX.V. California Export Quantity = PROD * EX.Q. Production share derived from NASS: 1995=95.02%, 1996=95.74%, 1997=96.12%, 1998= 95.5%, 1999=95.1%. (USITC, NASS Non-Citrus Fruit and Nut 1999 Summary, p.41).

GRAPEFRUIT: California Export Value = CANfresh + PORT.Vfresh + CANjuice + PORT.Vjuice. California Export Quantity = PORT.Qfresh + PORT.Qjuice + (CANfresh / EX.Vfresh) * EX.Qfresh + (CANjuice / EX.Vjuice) * EX.Qjuice. (USITC, STATCAN).

HAY, ALL: California Export Value = (EX.CA.Qall / EX.Qall) * EX.V. California Export Quantity = Q.CAall * EX.SHARE. Export share derived from industry sources: 1995-97=10%, 1998=7%, 1999=7%. The following commodities are included as hay: alfalfa cubes; alfalfa meals; alfalfa hay; hay, nes; and rutabagas, vetches, etc. (USITC, NASS Agricultural Production 1999 Summary).

KIWI: California Export Quantity and Value = EX.Q and EX.V. (USITC).

LEMONS: California Export Value = SHARE * EX.Vfresh + SHARE * EX.Vjuice. California Export Quantity = SHARE * EX.Qfresh + SHARE * EX.Qjuice. Export share derived from industry sources: 90%. (USITC).


MILK AND CREAM: California Export Value = (EX.CA.Q / EX.Q) * EX.V. California Export Quantity = DRIED + BUTTER + SOFT/FROZEN + PRODfluid * CHEESE + PRODfluid * WHEY + PRODfluid * EX.Q condensed + PRODfluid *

(USITC, United States Dairy Export Council online data [http://www.usdec.org]).

MELONS: California Export Value = CANcant&honey + CANwater + PORT.Vcant + PORT.Vhoney + PORT.Vwater.
California Export Quantity = PORT.Qcant + PORT.Qhoney + PORT.Qwater + (CANcant&honey / EX.Vcant&honey) * EX.Qcant + (CANwater / EX.Vwater) * EX.Qwater.

(USITC, STATCAN).

MUSHROOMS: California Export Value = CANfresh + PORT.Vfresh + CANdried + PORT.Vdried + CANprep + PORT.Vprep.
California Export Quantity = PORT.Qfresh + PORT.Qdried + PORT.Qprep + (CANfresh / EX.Vfresh) * EX.Qfresh + (CANdried / EX.Vdried) * EX.Qdried + (CANprep / EX.Vprep) * EX.Qprep.

(USITC, STATCAN).

OLIVES: California Export Quantity and Value = EX.Q and EX.V.

(USITC).

ONIONS: California Export Value = PROD * EX.V.
California Export Quantity = PROD * EX.Q.

(USITC, NASS Vegetables 1999 Summary, p.33).

ORANGES: California Export Value = CANfresh + PORT.Vfresh + CANjuice + PORT.Vjuice + PORT.Vpellets + (PORT.Vpellets/EX.Vpellets) * EX.Voil
California Export Quantity = PORT.Qfresh + PORT.Qjuice + PORT.Qpellets + (CANfresh / EX.Vfresh) * EX.Qfresh + (CANjuice / EX.Vjuice) * EX.Qjuice + (PORT.Qpellets/EX.Qpellets) * EX. Qoil

(USITC, STATCAN).

PEACHES/NECTARINES: California Export Value = CANfresh + PORT.Vfresh + EX.Vcanned + 0.39 * EX.Vmix.
California Export Quantity = PORT.Qfresh + EX.Qcanned + (CANfresh / EX.Vfresh) * EX.Qfresh + 0.39 * EX.Qmix.
EX.Qmix and EX.Vmix are canned mixed fruit. Canned mixed fruit contains a minimum of 39 percent peaches.

(USITC, STATCAN).

PEARS: California Export Value = (EX.CA.Qfresh / EX.Qfresh) * EX.Vfresh +
CANproc + PORT.Vproc + 0.35 * EX.Vmix.
California Export Quantity = EX.CA.Qfresh + PORT.Qproc + (CANproc / EX.Vproc) * EX.Qproc + 0.35 * EX.Qmix.
Fresh pear export quantity (EX.CA.Qfresh) provided by industry sources. EX.Qmix and EX.Vmix are canned mixed fruit. Canned mixed fruit contains a minimum 35 percent pears.
(USITC, STATCAN).

PEPPERS: California Export Value = (PRODmay * EX.Vmay) + (PRODjune * EX.Vjune) + (PRODjuly * EX.Vjuly) + (PRODaug * EX.Vaug) + (PRODsept * EX.Vsept) + (PRODoct * EX.Voct) + (PRODnov * EX.Vnov) + (PRODdec * EX.Vdec).
California Export Quantity = (PRODmay * EX.Qmay) + (PRODjune * EX.Qjune) + (PRODjuly * EX.Qjuly) + (PRODaug * EX.Qaug) + (PRODsept * EX.Qsept) + (PRODoct * EX.Qoct) + (PRODnov * EX.Qnov) + (PRODdec * EX.Qdec).
Monthly share of production derived from industry sources: May=9.3%, June=12.6%, July=17.4%, August=24.2%, September=29%, October=40.2%, November=36.6%, December=12.4%.
(USITC).

PISTACHIOS: California Export Value = EX.V.
California Export Quantity = EX.Q.
(USITC).

PLUMS: California Export Value = SHARE * EX.V.
California Export Quantity = SHARE* EX.Q.
Export share derived from industry sources: 1998=98%, 1999= 98%
(USITC).

POTATOES: California Export Value = (EX.CA.Qfresh / EX.Qfresh) * EX.Vfresh.
California Export Quantity = EX.SHARE * Q.CAfresh.
Export share provided by industry sources: 1995-1997=2.5% and 1998=3% 1999=1.5%.
(USITC).

PRUNES: California Export Quantity and Value = EX.Q and EX.V.
(USITC).

RICE: California Export Value = EX.V.short grain + PORT.Vmed grain + San Francisco Port District value of long grain.
California Export Quantity = EX.Q.short grain + PORT.Qmed grain + San Francisco Port District export quantity of long grain.
(USITC).

STRAWBERRIES: California Export Value = PROD * EX.V.
California Export Quantity = PROD * EX.Q.
Production share derived from NASS: 1995-1997=90%, 1998=92%, 1999=93.2%.
(not including Winter FL strawberries which are not exported).
TOMATOES, FRESH: California Export Value = EX.CA.Vfresh.
California Export Quantity = EX.CA.Qfresh.
During California’s export months (as identified by industry sources), attribute all EX.Q and EX.V to California.
(USITC).

TOMATOES, PROCESSED: California Export Value = PROD * EX.V.
California Export Quantity = PROD * EX.Q.
Share of production derived from NASS: 1995=94%, 1996=93%, 1997=94%, 1998=94.7% 1999=95.4%. Commodities included in Processed Tomatoes: Whole, pieces canned; tomato paste; prep/pres, nes; ketchup; tomato sauces; tomato juice.
(USITC, NASS Vegetables 1999 Summary, p.82).

TURKEY: California Export Value = PROD * EX.V.
California Export Quantity = PROD * EX.Q.
Share of production derived from NASS: 1995-1997=6.8% and 1998=6.3% 1999=6.2%.
(USITC, NASS Poultry Production and Value 1999 Summary).

WALNUTS: California Export Quantity and Value = EX.Q and EX.V.
(USITC).

WHEAT: California Export Value = (EX.CA.Q / EX.Q) * EX.V.
California Export Quantity = EX.CA.Q.
Export quantity (EX.CA.Q) provided by industry sources.
(USITC).