THE ROLE OF ORGANIZED EXCHANGES AND STANDARDIZED CONTRACTS IN

MARKETING NEW COMMODITIES

Sarahelen Thompson, University of Illinois, and Eugene Kunda, Chicago

Board of Trade^{*}

prepared for presentation at

Producer Marketing and Risk Management: Frontiers for the 21st Century

A Conference Sponsored by the Food and Agricultural Marketing Policy Section of the American Agricultural Economics Association January 13 and 14, 2000 Homewood Suites Hotel, International Drive, Orlando, Florida

Copyright 2000 by Sarahelen Thompson and Eugene Kunda. All rights are reserved. Readers may make verbatim copies of this document for noncommercial purposes by any means, provided that this copyright notice appears on all such copies.

^{*} Paper presented at the conference on "Producer Marketing and Risk Management: Frontiers for the 21st Century" sponsored by the Food and Agricultural Marketing Policy Section of the American Agricultural Economics Association, January 13-14, 2000, Homewood Suite on International Drive, Orlando, Florida.

THE ROLE OF ORGANIZED EXCHANGES AND STANDARDIZED CONTRACTS IN MARKETING NEW COMMODITIES

Sarahelen Thompson, University of Illinois, and Eugene Kunda, Chicago Board of Trade*

Many people have a clear, intuitive conception of a commodity: a homogeneous, undifferentiated product, often produced in agriculture, that is interchangeable or fully and completely substitutable across consumers and producers. Another key feature of commodities is that they are tradable. Numerous organized commodity exchanges facilitate commerce in commodities throughout the world. Trade on those exchanges relies on clearly defined and well-understood specifications of what is traded or deliverable in fulfillment of contracts established on those exchanges. When the specifications for products traded on an exchange are not sufficiently precise, or do not meet industry standards, trading activity generally diminishes rapidly (Working).

In addition to these conventional conceptions of a commodity, further connotations have lately been added to the term commodity. Commodity is now often used in the sense of a low quality product, with little value-added, and the grade that determines the lowest price for a particular product. Indeed, "commodity" has been become a pejorative word in some corners of agricultural marketing and agribusiness management insofar as it is typically associated with relatively unaggressive, pricetaking, marketing strategies that do not yield a premium for value-added or quality. Commodity marketing is also perceived as relatively simple; among the 4 Ps of

^{*} Paper presented at the conference on "Producer Marketing and Risk Management: Frontiers for the 21st Century" sponsored by the Food and Agricultural Marketing Policy Section of the American Agricultural Economics Association, January 13-14, 2000, Homewood Suite on International Drive, Orlando, Florida.

marketing (product, place, price and promotion), commodity marketing largely depends on price since product is given, promotion is useless, and place should be relatively irrelevant given the prevalence of arbitrage. Moreover, commodity price is largely a matter of timing.

Despite these latter conceptions, commodities are not inherently low quality, "lowest common denominator" products, or products of uncertain quality. Rather, commodities can be of any *specified* quality, as long as they are tradable, and that many of the enhanced, or value-added agricultural products currently gaining favor among producers and consumers can be traded as commodities through organized exchanges under the right conditions. The fact that existing commodity futures contracts are ineffective for pricing or risk management for certain products may primarily reflect that these products are *different* commodities than those specified in existing futures contracts. These products, such as high oil corn or "Roundup Ready" soybeans, may require new, different or modified contracts for effective pricing and risk management. Furthermore, this type of trading may be welfare enhancing for all participants in the marketing channel. The simplicity and other benefits of commodity marketing can still hold for these products.

The market performance and welfare enhancing benefits of organized exchanges are well known. Trading standardized contracts on organized exchanges promotes pricing flexibility, risk transference and price discovery. One of the major drivers of these effects is the reduction in transactions costs of trading made possible by organized exchanges, the clearinghouse guarantee associated with organized exchanges, and the fungibility of contracts. Producers and consumers may use other trading arrangements, such as forward contracting, or other vertical arrangements, to price and manage risk, but trading standardized contracts on organized exchanges is often preferred to alternative trading arrangements, *ceteris parabis*, due to lower transactions costs, including the flexibility of entering and exiting contracts. What often induces economic agents to use non-exchange traded instruments for pricing and risk management is the ability to tailor a transaction to meet their needs, which are typically related to quality. In doing so, agents essentially reduce or eliminate the basis risk associated with trading a standardized contract that may deviate in quality or location from the physical product they are trying to price. Exchanges may recapture the pricing and risk management role for products with substantial basis risk by offering contracts that allow for differential prices, or bases, depending on quality or location. Moreover, recent innovations in electronic markets will further reduce the costs of trading products of differing qualities on organized exchanges and may therefore promote trading on organized exchanges, virtual or otherwise.

Quality, Commodities, and a Location Model

For any given crop or agricultural product, there may be multiple "classes" reflecting different quality and end-use characteristics. These classes may all be variations of a single commodity, or they may represent multiple commodities. For instance, several different classes of wheat, reflecting differences in milling characteristics, are traded on organized commodity exchanges. Each different class of wheat is essentially a different commodity. In other cases, there may be multiple quality attributes for a single commodity, particularly with respect to location as a distinguishable "quality" attribute. In these cases, it is possible for a single futures contract to serve as a pricing and risk management instrument for many locations or qualities for a given commodity. For instance, while futures contracts typically have just one or few delivery locations, the same futures contract may be used as a pricing and risk management for numerous locations other than the delivery point. But, as in the case of wheat, sufficient differences in class or end-use characteristics may imply different commodities. In these cases, trading in a single commodity, or simple commodity futures contract, cannot effectively price or manage the risk associated with the different enduses.

We can specify a simple Bressler and King type linear programming model to analyze commodity price relationships across space and form. In this model, alternative forms represent differences in quality, with a fixed per unit cost, analogous to a processing cost, associated with differences in quality at each supply location. So, just as fixed per unit transportation costs are specified between different origins and destinations in such a model, fixed per unit quality costs are specified between different qualities of a given crop or agricultural product. Under cost minimization or arbitrage, the solution to the linear program will yield market price differentials for location and quality representing the least cost flows of product that satisfy supply and demand constraints. It will also yield price differentials for supply locations representing their optimal market destinations and qualities. If transportation and quality cost differentials remain basically constant over time, and if supply and demand conditions also remain stable, then the price differentials implied by the solution to the linear programming problem represent the amount that could be specified for fixed premiums or discounts for delivery of alternative locations or qualities (rather than the par location or quality) in futures contracts. Under these conditions, one futures contract with fixed premiums or discounts

for different delivery locations or qualities will provide effective pricing or risk management over the range of locations and qualities with stable price differentials. Moreover, the locations and qualities spanned under these conditions also represent fundamentally the same commodity.

Alternatively, the premiums and discounts for quality and location may be established by the cash markets. For example, the New York Board of Trade (NYBOT) uses the daily report of the United States Department of Agriculture Cotton Division to set premiums on, and discounts off, Strict Low Middling, Leaf Grade 4, 1 1/16" for Grade, Leaf and Staple at the five designated Spot Cotton Markets (http://www.nybot.com/reports/premiums.cfm). (See Appendices A and B for NYBOT Cotton Futures specifications and USDA Cotton Report.)

Different Futures Contracts for Different Commodities

Obviously, many locations or quality attributes cannot be effectively priced with a single contract with fixed premiums or discounts. When spatial or quality price differentials are not stable, fixed premiums or discounts will be ineffective for pricing and risk management via futures. Spatial and quality price differentials may vary over time as transportation and quality costs vary, or if supply or demand conditions vary. Under these conditions, different contracts reflecting alternative locations and qualities, and fundamentally different commodities, may be needed for pricing and risk management. Offering multiple delivery months in futures allows for differences in either storage or carrying costs, or differences in supply or demand over time. The same reasoning may be applied to location and quality, and is evident in the existence of multiple futures contracts for different classes of wheat, as well as in the proliferation of

similar, but intrinsically different, financial futures contracts related to interest rates or stock indices for different equity sectors. While there are five wheat contracts traded in the U.S. representing Soft Red Winter, Hard Red Winter, Soft Red Spring, Soft White, and Durum, only three are active.

In addition to offering separate futures contracts for different locations or qualities that cannot be priced with a single futures contract, exchanges may offer "differential" contracts that price the difference in price between an underlying futures contract and the cash price for alternative locations or qualities. The NYBOT has offered differential futures contracts in coffee, sugar, and orange juice. The latest began trading on October 1, 1999. (See Appendices C and D for the NYBOT Frozen Concentrated Orange Juice futures contract and differential futures contracts.) The FCOJ-2 contract reverts to a flat price contract in the week before expiration.

A different means of settlement could be applied to the New Orleans, Louisiana (NOLA) c.i.f. markets for corn, soybeans, and wheat. These cash markets currently trade as a basis to the futures contracts. Settlement could instead entail an exchange for futures along with the barge of grain at expiration. Other approaches may be taken to settle differential futures contracts such as cash settlement or options on the delivery specifications.

Many traders currently use existing futures contracts for pricing and risk management even when the product that they are attempting to price is not the same as that specified in the futures contract, and the price differential is not very stable or predictable. This is known as "cross-hedging." Why is it that cross-hedging prevails rather than a proliferation of futures contracts for alternative locations or qualities? In general, traders prefer a liquid market, that is, a market in which individual transactions have minimal effect on price. While an almost infinite number of futures contracts representing various combinations of delivery location and quality could be offered on futures exchanges, experience has shown that very few of these contracts attract sufficient liquidity to survive. When multiple futures contracts exist representing different delivery qualities and locations, traders chose among them by comparing the closeness of their hedges to the liquidity costs of trading in alternative contracts (Thompson et al., 1993).

Using the example of wheat, there are currently twenty futures contracts listed throughout the world. Various classes of feed and food wheat as well as numerous delivery locations are available. However, as shown in table 1, the daily volume of CBOT Soft Red Winter Wheat contract alone, representing the smallest of the major classes of wheat, is greater than the sum total of the following nineteen.

Table 1

Wheat Futures Contracts

			Average Daily	Last 5-Year Total Trading
Contracts	Exchange	Country	Volume	Volume*
Wheat	Chicago Board of Trade	US	16,188	25,914,815
Wheat	Kansas City Board of Trade	US	6,161	9,106,577
Wheat	Minneapolis Grain Exchange	US	2,973	4,848,000
Wheat	Zhengzhou Commodity Exchange	China	2,894	3,294,298
Wheat	MidAmerican Commodity Exchange	US	779	653,562
Wheat	Winnipeg Commodity Exchange	Canada	721	765,980
Wheat	London Inter. Financial Futures Exchange	England	384	501,191
Wheat	Budapest Commodity Exchange	Hungary	250	64,188
Milling Wheat	Budapest Commodity Exchange	Hungary	196	219,302
Wheat	Marche a Terme International de France	France	195	77,193
Wheat (Trigo)	Mercado a Termino de Buenos S.A.	Argentina	95	110,144
Durum Wheat	Minneapolis Grain Exchange	US	58	24,891
Wheat	Hanover Commodity Exchange	Germany	38	7,581
Euro Wheat	Budapest Commodity Exchange	Hungary	36	19,198
White Wheat	Minneapolis Grain Exchange	US	35	65,308
Wheat	Sydney Futures Exchange	Australia	34	26,807
Feed Wheat	Budapest Commodity Exchange	Hungary	17	19,324
Wheat	South African Futures Exchange	South Africa	12	5,766
Wheat	Mercado a Termino de Rosario, Argentina	Argentina	7	8,617
Cape Wheat	South African Futures Exchange	South Africa	0	92

* 1995 through November 1999

To attract liquidity and promote trading in more futures contracts, exchanges can lower the transactions costs of trading through greater implementation of information technology in trading systems, design contracts that meet industry needs, and promote spreading across delivery months and related contracts. Exchanges throughout the world have been gradually making the transition to electronic trading, with progress in general occurring faster overseas, than in the U.S. Only 4.4 percent of domestic trading volume for the first nine months of 1999 was executed electronically, while foreign exchanges executed 62.7 percent of volume electronically. Electronic trading should reduce the transactions costs associated with physical trading environments such as order routing and other execution costs. More important, electronic trading may survive in an organized market sense with smaller trading volumes than trading in physical environments since lower volumes are necessary to recover the overhead costs associated with the trading system. Hence, smaller markets may be able to survive if conducted virtually.

The proliferation of auction sites on the Internet such as Ebay suggests that electronic markets promote organized trading in very small volumes. Web sites have even developed to support the development of Internet auctions and auction-related tools—see for instance http://www.internetauctionlist.com/. It appears that almost anything can be sold in a virtual auction—from the most exotic, differentiated products, such as fine art, to the most common or mundane, such as cheese. Other agricultural electronic auction sites include:

E-Markets, Inc.	http://www.e-markets.com/
Internet Commodity Exchange	http://www.icecorp.com/
ePIT, Inc	http://www.epit.com/

Thus, information technology should increase liquidity by allowing markets to exist where they would not otherwise, in addition to reducing the transactions costs of trading in new and existing markets.

The demutualization of futures exchanges, whereby exchanges evolve from a membership not-for-profit cooperative to a shareholder for-profit corporation, will likely speed the adoption of electronic trading and promote the development of trading of a greater number and variety of futures contracts. The current ownership structure of most U.S. futures exchanges inhibits the adoption of electronic trading insofar as it is the

objective of most members to maximize the value of their "seats" on the exchange. The value of the seats is tied somewhat to the physical trading environment as long as trading is conducted on a trading floor with participation limited to exchange members holding seats. A more open trading environment, with no limits on those who have the ability to trade—and no value to exchange membership--should increase trading volume and lower the transactions costs of trading. Exchanges would charge small trading fees under these conditions, perhaps as does Ebay (http://pages.ebay.com/help/sellerguide/selling-fees.html).

It has been well documented that contract design is critical to attracting liquidity (Working; Gray, 1960 and 1978; Thompson et al., 1996). Particularly in the case of contracts for commodities of differing qualities than those already covered in existing contracts, the specification of quality must closely meet industry needs, represent quality that was previously ineffectively hedged with existing contracts, and represent sufficient volume to support futures trading (which might be quite small as previously discussed in an electronic trading environment).

However, experience shows that substantial and sustainable futures trading volume is difficult to achieve. During the last twenty years over 500 commodity contracts have been listed for trading at over 60 exchanges worldwide. This past year, less than one-half of the contracts experienced any trading and the median average daily trading volume was less than 200 contracts. (See Appendix E for the list of commodity futures listed for trading since 1980.)

Finally, the ability to spread between related commodity contracts will promote trading because it will provide traders the ability to manage risks associated with trading

newer, more thinly traded contracts, as well as provide the opportunity to profit by trading, or arbitraging, the spread between related contracts. Spreading also ensures that price differences across related contracts conform to efficient, competitive differentials. Spreading is vital to the viability of several wheat futures contracts (Kansas City, Minneapolis), as well as to contracts in the soybean complex (meal and oil).

Intra-market spreading, basically a time-based arbitrage, is also important in providing a means for non-commercial traders to exchange price risk for spread risk and for commercial traders to hedge carrying costs. Intra-market spreading typically promotes trading in distant maturities with lower liquidity. The CFTC reports intramarket spreading by non-commercials as a percent of open interest. The evidence shows that commodity indices, secondary contract markets, and processed commodities have higher intra-market spreading. (See Appendix G for the table of intra-market spreading percentages.)

Need for Quality Certification

For organized trading in differentiated commodities to succeed, it will be necessary to establish a set of meaningful standards of quality or end-use value, as well as a some type of certification that the products traded on the exchange meet those standards. The commodity exchange need not develop the standards, but they probably need to develop a certification method to insure a level of trust or confidence that the product traded on the exchange meets the established standards. This may be a very tricky issue, particularly when the relevant quality or end-use characteristic is not visibly apparent. One way to for the exchange to establish confidence is to guarantee performance, perhaps by building a performance guarantee into the contracts. Another way would be to establish a "Feedback Forum" as has Ebay

(http://pages.ebay.com/services/forum/feedback.html) where traders acquire a profile comprised of comments from other traders. This method credentializes buyers and sellers by reputation. A third way would be to either adopt or establish a "brand" of product to trade. The brand would either be already well-known, or would need to be promoted by the exchange or industry as representing certain qualities or end-use values. For instance, "Roundup Ready" soybeans might be traded. In this case, buyers would understand that the soybeans were genetically modified with a given biotechnology to resist the Roundup herbicide. Or, a contract might be developed to trade Starbucks coffee beans. Assuming the exchange can eliminate the delivery of counterfeits, trading branded products would obviate many quality certification concerns. However, whether or not these products are exchange tradable due to intellectual property constraints, or due to other controls in the supply chain, is another matter.

Intellectual property rights would influence the marketing and tradability of futures contracts in several ways. A brand, patent, or copyright would necessitate the licensing of the contract. A market maker or prominent supporter of the contract involved in the underlying cash market would be necessary to provide liquidity.

Conclusions

This paper has addressed how differentiated or value-added agricultural products, such as high oil corn, or "Roundup Ready" soybeans could be traded on organized exchanges. These products may still be considered commodities and may be traded as commodities if their contract specifications match their quality attributes and the products are tradable. If the price differentials between products specified on existing futures contracts and other related products are known and stable, then existing futures contracts may be used to price and hedge those other products by specifying premiums or discounts for deliveries of alternative qualities. If the price differential is not known or stable, then new or differential contracts may be required.

Exchanges may increase the probability of success of new contracts by using information technologies to reduce the transactions costs of trading. It is likely that many products would be tradable in an auction environment if the threshold for minimum liquidity to sustain trading was low. The Internet holds much promise for this type of trading environment. The demutualization of existing commodity exchanges may be necessary before exchanges place price discovery above volume in their objective function. Exchanges should also design contracts to meet industry needs, encourage inter- and intra-market spreading to reduce risk and increase liquidity, and develop new means to certify product quality.

The arguments made in this paper are rapidly becoming manifestly obvious to agents involved in e-commerce, and those whose interests are leading them in that direction. Expect to see many changes in commodity exchanges in the near future. Existing exchanges must change rapidly and radically to survive. New exchanges on the Internet are poised to take away business/volume from existing exchanges if they do not respond to the need for transformation, if not complete overhaul. Recently, William J. Rainer, Chairman of the Commodity Futures Trading Commission recognized the manifest destiny of organized exchanges in a speech in which he stated:

Consequently, the CFTC must embark on a process that may result in major deregulation of the financial futures markets, beginning with those contracts that compete directly with OTC derivatives. No rule or regulation will escape scrutiny. While the financial futures markets are most in need of regulatory reform, all of our contract markets would benefit from a lighter regulatory hand. The CFTC intends to withdraw from approving contract designations and will soon issue proposed regulations to permit exchanges to

adopt new rules without prior approval. These are key elements in our overall plan to move from being a frontline to an oversight regulator. (October 28, 1999)

Thus, the regulators of these markets understand the need for rapid innovation and

transformation of trading on organized exchanges. Either we will see these innovations

occur in Chicago, or they will occur elsewhere, virtually.

References

Bressler, Raymond G., Jr. and King, Richard A., *Markets Prices and Interregional Trade*. Wiley, 1970.

Roger W. Gray. "The Characteristic Bias in Some Thin Futures Markets." Food Research Institute Studies, 1(1960):296-313.

Roger W. Gray. "Why Does Futures Trading Succeed or Fail: An Analysis of Selected Commodities," in *Readings in Futures Markets, Volume 3: Views From the Trade*, Anne E. Peck (ed.), Chicago: Chicago Board of Trade.

(Remarks of) William J. Rainer, Chairman, Commodity Futures Trading Commission. 22nd Annual Chicago-Kent College of Law Derivatives and Commodities Law Institute Chicago, Illinois, October 28, 1999. <u>http://www.cftc.gov/opa/speeches/rainer-2.htm</u>.

Sarahelen Thompson, James S. Eales, and David Seibold. "Comparison of Liquidity Costs Between the Kansas City and Chicago Wheat Futures Contracts." *Journal of Agricultural & Resource Economics*, December 1993, 18(2):185-197.

Sarahelen Thompson, Philip Garcia, and Lynne K. Dallafior. "The Demise of the High Fructose Corn Syrup Futures Contract: A Case Study." *The Journal of Futures Markets*, 16(1996):697-724.

Holbrook Working, "Whose Markets? Evidence on Some Aspects of Futures Trading." *Journal of Marketing*, 19(1954):1-11.

Appendix A

Cotton No. 2 Futures Contract Futures and Options Specifications

Cotton No. 2 Futures Contract *Contract specifications are current as of January* 1, 1999 and may be subject to change. Verify information with your broker. **Trading Unit** 50,000 lbs. net weight (approximately 100 bales). **Trading Hours** 10:30 AM to 2:40 PM New York Time. **Price Ouotation** Cents and hundredths of a cent per pound **Trading Months** Current month plus one or more of the next twenty-three succeeding months. Active trading months: March, May, July, October, December. Ticker Symbol CT **First Notice Day:** Five business days from end of preceding month. Last Trading Day: Seventeen business days from end of spot month. **Minimum Fluctuation** 1/100 of a cent (one "point") per pound below 95 cents per pound. 5/100 of a cent (or five "points") per pound at prices of 95 cents per pound or higher.* N.B.: Spreads may always trade and be quoted in one point increments, regardless of price levels. **Daily Price Limits:** 3 cents above or below previous day's settlement price. However, if any contract months settles at or above \$1.10 per pound, all contract months will trade with 4 cent price limits. Should no month settle at or above \$1.10 per pound, price limits stay (or revert) to 3 cents per lb. Spot month - no limit on or after first notice day. **Position Limits:** Delivery Month 300 contracts Any other month 2.500 contracts All months combined 3,500 contracts Futures and options have a combined limit in futures equivalents. Contact the Exchange for more information. **Basis Grade Ouality**: Strict Low Middling Staple Length: 1 2/32nd inch Contact the Exchange for more information an other specifications.

Point Value: \$5.00 **Delivery Points:** Galveston, TX; Houston, TX; New Orleans, LA; Memphis, TN; Greenville/Spartanburg, S.C. Options Contract on Cotton No. 2 Futures Contract specifications are current as of January 1, 1999 and may be subject to change. Verify information with your broker. Confers to buyer the right to buy (in the case of a call) or sell (in the case of a put) one Cotton No. 2 futures contract **Daily Price Limits:** None **Strike Price Increments:** 1 cent increments **Minimum Price Fluctuation:** 1/100 of a cent. **Point Value:** \$5.00 **Position Limits:** See Cotton Futures specifications for combined Futures/Options Limits. Contact the Exchange for more information. **Trading Unit** One New York Cotton Exchange Cotton No. 2 futures contract.

Trading Hours 10:30 a.m. - 2:40 p.m. (New York time). **Price Quotation** Prices quoted in cents and hundredths of a cent. **Trading Months** March, May, July, October and December. The nearest ten delivery months will be available for trading. Example: In August 1999, the October 1999, December 1999, March 2000, May 2000, July 2000, October 2000, December 2000, March 2001, May 2001 and July 2001 contracts will be available for trading. **Ticker Symbol** CT Minimum Fluctuation Prices quoted in cents and hundredths of a cent.

Appendix B

Premiums & Discounts for Grade, Leaf & Staple on NYBOT Cotton No. 2 Futures

Average premiums on, and discounts off, Strict Low Middling, Leaf Grade 4, 1 1/16" for Grade, Leaf and Staple at the five designated Spot Cotton Markets. Taken from the report of the United States Department of Agriculture Cotton Division, Market News Branch dated **12/22/99**, and covering differences for that date. These differences apply on deliveries on the New York Cotton Exchange Contract No. 2 for **1/03/00**, at Galveston, TX ; Greenville, SC ; Houston, TX ; Memphis, TN; and New Orleans, LA.

			(33)	1 1/32"	(34)	(35)+
WHITE COLOR GRAI	DES	LEAF	1 1/32"	AVERAGE	1 1/16"	1 3/32"
				DIFFERE	NCE	
				(See Not	te)	
GOOD MIDDLING	(11)	1-2	-480	-1075	115	330
	(11)	3	-485	-1085	115	330
	(11)	4	-585	-1218	48	255
	(11)	5	-810	-1330	-290	-105
STRICT MIDDLING	(21)	1-2	-480	-1075	115	330
	(21)	3	-485	-1085	115	330
	(21)	4	-585	-1218	48	255
	(21)	5	-810	-1330	-290	-105
MIDDLING	(31)	1-2	-495	-1090	100	320
	(31)	3	-500	-1100	100	320
	(31)	4	-600	-1233	33	240
	(31)	5	-815	-1330	-300	-115
STRICT LOW	(41)	1-2	-615	-1230	0	220
MIDDLING	(41)	3	-615	-1230	0	220
	(41)	4	-615	-1230	0	215
	(41)	5	-885	-1415	-355	-215
LOW MIDDLING	(51)	1-2	-895	-1350	-440	-290
	(51)	3	-895	-1350	-440	-290
	(51)	4	-965	-1420	-510	-360
	(51)	5	-1015	-1445	-585	-445
			1 1/32"	1 1/32"	(34)	(35)+
LIGHT SPOTTED G	RADES	LEAF	(33)	AVERAGE	1 1/16"	1 3/32"
GOOD MIDDLING	(12)	1-2	-650	-1215	-85	115
	(12)	3	-670	-1245	-95	105
STRICT MIDDLING	(22)	1-2	-650	-1215	-85	115
	(22)	3	-670	-1245	-95	105
MIDDLING	(32)	1-2	-705	-1280	-130	70
	(32)	3	-705	-1280	-130	70

* 200% of difference between 1 1/32" and 1 1/16" of like grade.

Appendix C

NYBOT to Add New Frozen Concentrated Orange Juice Contract

Released on 18-Aug-99

For Immediate Release Contact: Terence Gordon (212) 742-6106

The New York Board of Trade (NYBOT) is introducing a new Frozen Concentrated Orange Juice (FCOJ) futures contract (FCOJ-2) to provide a direct hedging vehicle for the premium the cash market is willing to pay for delivery of frozen concentrated orange juice from Florida, Brazil or blends thereof. Trading of the new differential contract, on the Citrus Associates subsidiary of NYBOT, is scheduled to begin in early October, pending Commodity Futures Trading Commission (CFTC) approval. Options may be added at a later date.

In the past year, the futures price for the current FCOJ-1 contract (which does not limit the list of countries of origin) experienced a 30 cent range while the premium for cash Florida/Brazilian juice has traded in levels from 4 cents to 20 cents above the futures price. Customers hedging their portfolios of Florida/Brazilian product with FCOJ-1 contracts could have had an inefficient hedging mechanism as the basis price relationship between the futures market and the specific product changed dramatically. NYBOT developed and created the new FCOJ-2 differential contract to provide the opportunity for customers to more precisely hedge price risk for Florida/Brazil-only product.

"The new FCOJ-2 contract represents NYBOT's commitment to the citrus industry to provide appropriate hedging opportunities and ensure that the futures market is in sync with cash market realities," stated James J. Bowe, President and CEO of NYBOT. "It provides customers with an additional risk management tool while not diluting liquidity in the current successful FCOJ-1 contract."

The new FCOJ-2 contract will only be traded in a differential combination with the existing FCOJ-1 contract (until two days prior to first notice day). Two days prior to the first notice day, the differential will be unbundled into separate FCOJ-2 and FCOJ-1 positions. FCOJ-2 will then trade as an outright until noon of the first notice day. The FCOJ differential is a spread between the FCOJ-2 and the FCOJ-1 contracts. Being long a differential is being long a FCOJ-2 contract and short an FCOJ-1 contract. Being short a differential is being short an FCOJ-2 contract and long an FCOJ-1 contract.

Historically, Florida/Brazil FCOJ has commanded a premium price over the less restrictive frozen concentrated orange juice specified for delivery in the FCOJ-1 contract. Under the original contract, the FCOJ tenderable for delivery can come from a variety of sources as long as it meets certain basic standards. The differential trading market for the two contracts is designed to address a delivery concern in the citrus industry involving the use of Florida/Brazil to meet U.S. labeling standards.

Appendix D

NYBOT Frozen Concentrated Orange Juice Futures Contract on FCOJ-2

Trading Unit: 15,000 pounds of orange solids (3% more or less) Deliverable Origins: Florida and/or Brazil only Trading Hours: 10:15 A.M. to 2:15 P.M. (New York time) Price Quotation: Cents and hundredths of a cent per pound solid Trading Months: January, March, May, July, September, November Ticker Symbol: OK Minimum Price Fluctuation: 5/100 cent/lb., equivalent to \$7.50 per contract Point Value: \$1.50 Trading Limits: Spot Month - a movable 10 cents (\$1500 per contract) above or below the previous limit. Delivery Points: Exchange licensed warehouses in Florida, New Jersey, Delaware and California First Trading Day: One business day prior to first notice day Last Trading Day: 12:00 P.M. on first notice day First Notice Day: First business day of contract month Last Notice Day: Fifth business day prior to the last business day of the contract month Last Delivery Day: Last business day of the month Delivery methods: Drums or tanks, at the seller's option Contract specifications are current as of August 10, 1999 and may be

subject to change; verify information with your broker.

Pending Regulatory Approval

Futures Contract on FCOJ Differential

Trading Unit: The FCOJ Diff is a spread between the FCOJ-2 and FCOJ-1 contracts. Being long a Diff is being long an FCOJ-2 contract and short an FCOJ-1 contract. Being short a Diff is being short an FCOJ-2 contract and long an FCOJ-1 contract.

Trading Hours: 10:15 A.M. to 2:15 P.M. Price Quotation: Cents and hundredths of a cent per pound Trading Months: January, March, May, July, September, November. Ticker Symbol: OD Minimum Price Fluctuation: 5/100 cent/lb., equivalent to \$7.50 per contract Point Value: \$1.50 Daily Price Limits: None Last Trading Day: Two business days prior to the first notice day. At the close of business on the last trading day. FCOJ Diff positions in the expiring contract will be unbundled into FCOJ-1 and FCOJ-2 positions as follows: Long Diff unbundles into long FCOJ-2, short FCOJ-1 Short Diff unbundles into short FCOJ-2, long FCOJ-1 Contract specifications are current as of August 10, 1999 and may be subject to change; verify information with your broker.

Pending Regulatory Approval

Appendix E

Commodity Future Contracts

Contracts	Exchange	Country	List Date	Last Date	Trading Unit	Complex	Method of Trade	Average Daily Volume	5 Year Total Volume
Cruda Oil	NVMEY	US	Mor 82	Nov 00	1 000 US horrals	Enorm	Poth	05.060	120 082 512
Munghean	CZCE	China	Wiai-05	Nov-99	1,000 05 barrens	Grains and Oils	Electronic	93,009	102 584 963
Corn	CBOT	US	1/2/1877	Nov-99	5000 bushels	Grains and Oils	Both	51 434	77 797 986
Aluminium-99.7%	LME	England	Jun-87	Nov-99	25 metric tons	Metals	Out-cry	45.770	85.541.633
Sovbean	CBOT	US	Oct-36	Nov-99	5000 bushels	Grains and Oils	Both	44.846	59.323.433
Copper-Grade A	LME	England	Apr-86	Nov-99	25 metric tons	Metals	Out-cry	44,052	76,901,474
Gold 100 Oz.	NYMEX	US	Dec-74	Nov-99	100 troy oz.	Metals	Both	36,656	42,411,338
Gasoline	TOCOM	Japan	Jul-99	Nov-99	100 kl	Energy	Electronic	33,990	3,398,962
Natural Gas	NYMEX	US	Apr-90	Nov-99	10,000 MMBtu	Energy	Both	32,805	58,279,412
Broilers	KCE	Japan	Nov-99	Nov-99	1,200 kg	Food and Fiber	Out-cry	32,434	648,681
Corn	TGE	Japan	Apr-92	Nov-99	100 metric tons	Grains and Oils	Electronic	30,724	47,861,327
Number Two Heating Oil, N.Y.	NYMEX	US	Nov-78	Nov-99		Energy	Both	29,716	39,073,911
Gold	TOCOM	Japan	Apr-84	Nov-99	1 kg.	Metals	Electronic	29,518	50,926,915
Brent Crude Oil	IPE	England	Nov-85	Nov-99	1,000 barrels	Energy	Out-cry	28,751	56,327,662
Platinum	TOCOM	Japan	Apr-84	Nov-99	500 grams	Metals	Electronic	26,702	49,483,327
Unleaded Regular Gasoline, N.Y.	NYMEX	US	Dec-84	Nov-99	42,000 gallons (1,000 US barrels)	Energy	Both	23,796	34,759,747
Soybean Meal	CBOT	US	Aug-51	Nov-99	100 tons (2000 pds. per ton)	Grains and Oils	Both	20,939	28,266,546
Sugar #11	NYBT	US	Jan-14	Nov-99	50 long tons	Food and Fiber	Out-cry	20,298	24,605,691
Rubber	TOCOM	Japan	Apr-84	Nov-99	5,000 kg.	Food and Fiber	Out-cry	20,237	40,667,410
Soybean Oil	CBOT	US	Jul-50	Nov-99	60000 lbs.	Grains and Oils	Both	19,617	24,732,773
Silver 5,000 Oz.	NYMEX	US	Jul-33	Nov-99	5000 troy oz.	Metals	Both	18,838	22,035,094
US Soybean	TGE	Japan	Mar-84	Nov-99	30 metric tons	Grains and Oils	Electronic	17,381	25,002,287
Live Cattle	CME	US	Nov-64	Nov-99	40,000 pds. choice or better	Livestock	Out-cry	16,876	17,675,251
Wheat	CBOT	US	1/2/1877	Nov-99	5000 bushels	Grains and Oils	Both	16,188	25,914,815
Red Bean	TGE	Japan	Oct-52	Nov-99	80 30 kg bags	Grains and Oils	Electronic	14,628	11,337,474
Special High Grade Zinc	LME	England	Jan-83	Nov-99	25 metric tons	Metals	Out-cry	14,149	27,996,706
Gas Oil	IPE	England	Apr-81	Nov-99	100 metric tons	Energy	Out-cry	13,568	22,158,560
Hen Egg	CHUBU	Japan	Nov-99	Nov-99	¥5000 x index	Food and Fiber	Out-cry	13,138	262,769
Kerosene	TOCOM	Japan	Jul-99	Nov-99		Energy	Electronic	12,049	1,204,930
Soybean	DCE	China		Nov-99		Grains and Oils		11,869	6,026,565
Corn	KCE	Japan	May-92	Nov-99	100,000 kilograms	Grains and Oils	Electronic	11,567	16,637,140
Palladium	TOCOM	Japan	Aug-92	Nov-99	1.5 kg.	Metals	Electronic	10,785	14,756,797
Arabica Coffee	TGE	Japan	Jun-98	Nov-99	3,450 kg	Food and Fiber	Electronic	10,468	3,677,488
Raw Sugar	TGE	Japan	May-52	Nov-99	20,000 kg.	Food and Fiber	Electronic	9,160	5,163,857
Nickel	LME	England	Apr-79	Nov-99	6 metric tons	Metals	Out-cry	9,013	19,294,704
Cotton #2	NYBT	US	9/10/1870	Nov-99	50,000 lbs.	Food and Fiber	Out-cry	8,210	12,643,149
High Grade Copper	NYMEX	US	Jul-88	Nov-99	25,000 lbs.	Metals	Both	8,206	11,730,183
Сопее	NYBI	US China	Jan-64	Nov-99 Nev 00	37500 lb	Food and Fiber	Out-cry	7,867	10,326,662
Copper	SHFE	Lana	0.4.52	NOV-99	NT/ A	Metals	Electronic	7,000	7,047,050
AZUKI Bean	KANEX	Japan	Oct-52	Nov 00	N/A 20.000 kg	Grains and Oils	Electronic	7,282	3,519,550
Correct Soybean	NVPT	Japan	Dec-32	Nov 00	10 matria tons	Ecod and Eibar	Out on	6,993	0 520 707
Lean Hog	CME		Jan-25 Nov-95	Nov-99	40 000#	Livestock	Out-cry	6,928	6 278 895
Rubber	OME	Ianan	Oct-97	Nov-99	5 000 kg	Ervestoek Eood and Eiber	Out-cry	6 874	10 700 296
Aluminum	OME	Japan	Oct-97	Nov-99	10 tonnes	Metals	Out-crv	6.519	3,229.196
Cocoa	LIFFE	England	Aug-72	Nov-99	10 metric tons	Food and Fiber	Out-crv	6.447	8,261 321
Cotton Yarn	TOCOM	Japan	Apr-84	Nov-99	1,814.36 kg.	Food and Fiber	Out-cry	6,205	3,136.946
Wheat	KCBT	US	1876	Nov-99	5,000 bushels	Grains and Oils	Out-cry	6,161	9,106.577
Lead	LME	England	Oct-52	Nov-99	25 metric tons	Metals	Out-cry	5,646	11,022,587
\$ Coffee	LIFFE	England	Mar-91	Nov-99		Food and Fiber	Out-cry	4,657	6,057,974
Canola	WCE	Canada	Jan-63	Nov-99	20/100 metric tonne board lot	Grains and Oils	Out-cry	4,654	6,349,473
Silver	TOCOM	Japan	Apr-84	Nov-99	30 kg.	Metals	Electronic	4,265	5,253,523
Raw Sugar Rubber	KANEX SHFE	Japan China	Apr-52	Nov-99 Nov-99	20,000 kgs.	Food and Fiber Food and Fiber	Electronic Electronic	4,191 4 081	2,745,540 2,670,977
Sovbean	MIDAM	US	Dec-40	Nov-99	1 000 bushels	Grains and Oile	Out-cry	4,001	3 926 817
Tin	LME	England	Jun-89	Nov-99	5 metric tons	Metals	Out-cry	3 878	6 205 217
		2	· · · · · · · · · · · · · · · · · · ·		2		Jucity	5,070	0,200,217

Frace Pool Bellies CME 93.99 40.000 pls. Livestock 0.ercy 3.340 2.447.224 Contor Yanu (2b) Japan Aye-82 Non-99 2001 kp. Food and Fleer 01-cry 3.351 2.351, 2.	Platinum	NYMEX	US	Dec-56	Nov-99	50 troy oz.	Metals	Both	3,770	3,112,772
Cham Yang) OME Japan Ape-83 No.99 2000 fbs. Food and Piter One-ray 33.79 2003 fbs Dired Cocon Yaksham Japan Ape-83 No.99 300 kg. Food and Piter One-ray 3.357 2.001 7 Dired Cocon Yaksham Japan Jave32 No.99 300 kg. Food and Piter One-ray 2.09 7.21033 Karka Yaksham Japan Jave38 No.99 4000 lbs. Food and Piter One-ray 2.091 7.21033 Kohan Coffee TOE Japan Jave38 No.99 Sold kg. Food and Piter One-ray 2.241 1.2952 Kohen Coffee TOE Japan Jave38 No.99 Sold kg. Food and Piter One-ray 2.242 1.2952 2.207.359 Kohen Coffee TOE Japan Jave32 No.99 Jonates Keale Main Jave32 2.207.359 Kohen Coffee TOE Japan Jave32 No.99 Jonate	Frozen Pork Bellies	CME	US	Sep-61	Nov-99	40,000 pds.	Livestock	Out-cry	3,507	2,447,224
Dieled Cocon CHUBU Japon Apr-82 Nor-99 300 kg. Food and Fiber Out-ray 3.355 2.261.319 Bioled Cocon MCI 15 0.107.199 S00 kg. Food and Fiber Out-ray 2.09 3.355 2.265.13 Bioled Cocon TICI Japan Japan S00 kg. Food and Fiber Out-ray 2.60 Japan Stama CHUB Japan Son	Cotton Yarn (20s)	OME	Japan	Apr-83	Nov-99	2,000 lbs.	Food and Fiber	Out-cry	3,430	4,924,168
Diriel Concom Yaokama Japon Arps.2 No.99 Yoka Food and Fibe Out-cry 2.999 3.739,053 Whent MGE US 01.011/1983 No.99 5000 back before Gains and Gain Fibe Out-cry 2.999 3.739,053 Whent CZE China No.99 5000 back Fibe and Fibe Out-cry 2.991 3.138,211 Whent CZE China No.99 5000 back Fiod and Fibe Out-cry 2.924 2.975 Risher Index OMT Jaguan Apr.97 No.99 100mars Matal Electronic 2.492 1.749,923 Neine Sign CME US No.979 15000 pb. Food and Fiber Out-cry 2.352 1.559,414 Gaina sands and back CME US No.99 1500 pb. Food and Fiber Out-cry 2.362 2.560,17 Jaice Mark CME US No.99 1500 pb. Food and Fiber Out-cry 1.963 2.860,67	Dried Cocoon	CHUBU	Japan	Apr-82	Nov-99	300 kg.	Food and Fiber	Out-cry	3,379	2,630,219
Raw Silk Yaokama Jagan Jaw2 No.99 Store Store Food and Fibs Out-cry 2.09 3.4348.000 Cottor Yun CHUB Jagan Sep-51 No.99 4000 lbb. Food and Fibs Out-cry 2.097 3.4348.00 Cottor Yun CHUB Jagan Jaw2 No.99 2.001 kg Food and Fibs Out-cry 2.081 1.3342.11 Roberst CHUB Jagan Jaw2 No.99 2.001 kg Food and Fibs Out-cry 2.381 1.299.721 Raber Inda OME Jawa No.99 JAUDI Ib Liseack Out-cry 2.381 2.297.730 Rober Carla CME US Jaw2 No.99 JAUDI Ib Liseack Out-cry 2.381 3.293.535 Rober Carla CME Lisea Jaw2 No.99 JS.000 kg Grains and Olis Electonic 1.093 2.386.147 Inprott Stypem CHUB Jagan Jaw2 No.99 JS.000 kg Grains and Olis	Dried Cocoon	Yokohama	Japan	Apr-82	Nov-99	300 kg.	Food and Fiber	Out-cry	3,355	2,395,154
WheatMGEUS0.103/1993No.9990.000Sould settingGamiss and Gu HierOut-cry2.9051.518.211WheatCZCEOranNo.9990.001b.Food and FibeCircles2.9051.518.211WheatCZCEOranJan 82No.9990.001b.Food and FibeCircles2.8111.209.211Roll BoardCHERJan 91Ass.21No.991000rasCircles2.8111.209.211Roll BoardCHERMan 10No.991000rasFood and FiberOut-cry2.8122.5713.295.002Forac CarcherCHEUSNo.971000rasFood and FiberOut-cry2.8123.594.114Goldan SafasCHEUSJal-82No.991000rasFood and FiberOut-cry2.8282.584.114Goldan SafasCHELiganJal-82No.991000rasFood and FiberOut-cry1.8631.6252.985.702Inported StypeanCHELiganJal-82No.991000rasGamis and GibOut-cry1.8631.625.205Inported StypeanCHELiganJal-82No.991000rasFood and FiberOut-cry1.8631.625.205Cora Carl CarlCHELiganJan-82No.991000rasFood and FiberOut-cry1.8631.625.205Cora Carl CarlCHELiganJan-82No.991000rasFood and FibeOut-cry1.8631.665.205 <tr< td=""><td>Raw Silk</td><td>Yokohama</td><td>Japan</td><td>Jan-82</td><td>Nov-99</td><td>300 kg.</td><td>Food and Fiber</td><td>Out-cry</td><td>2,999</td><td>3,739,053</td></tr<>	Raw Silk	Yokohama	Japan	Jan-82	Nov-99	300 kg.	Food and Fiber	Out-cry	2,999	3,739,053
Coton Yam CHUBU Japan Sep-51 No.99 4000 lb. Food and lifter Out-reg 2.894 3.534.598 Robust Coffee TGE Japan Jan-98 No.99 SOOD Sg. Food and lifter Electronic 2.894 J.534.598 Robust Coffee TGE Japan Jan-98 No.99 Homes Made Electronic 2.814 J.534.238 Robust Coffee CME LS No.97 No.99 Homes Made Electronic 2.417 J.434.233 Reduct Call CME US Oct 60 No.99 J.5000 kg. Grains and Ols Electronic J.635.21 Rodoma Sorberas CME Japan Jan-82 No.99 J.5000 kg. Grains and Ols Electronic J.633 J.632.33 Robota Sorberas CHUB Japan Jan-82 No.99 J.5000 kg. Grains and Ols Electronic J.633 J.632.37 Robota Sorberas CHUB Japan Jan-82 No.99 J.0000 baclc	Wheat	MGE	US	01/03/1893	Nov-99	5,000 bushels	Grains and Oils	Out-cry	2,973	4,848,000
Whend Robusto CifeCritinaTomaJune June June June June June June June	Cotton Yarn	CHUBU	Japan	Sep-51	Nov-99	4000 lb.	Food and Fiber	Out-cry	2,905	1,318,211
RobustTGEJapanJan 98No.99S.000 kgFood and FibsElectronic2.54182.23982.39Rabbe IndaxOMEJapanOx-97No.99IotonesMediaElectronic2.4721.691.23Rabbe IndaxCMEUSOx-67No.99IotonesMediaElectronic2.4721.691.23Feoder CalleCMEUSOx-66No.99IotonesMediaElectronic2.4271.691.23Natic SugarLIPTEEnglandJal-83No.99No.99IotonesMediaBictronic2.1602.065.21Natic SugarLIPTEEnglandJal-82No.99No.99IotonesMediaBictronic1.9282.561.14Goldmark SubsenCMEUSJal-92No.99IotonesMediaBictronic1.9282.851.91ToricJamaJan 82No.99SOID No.046Grains and OtoOut-cry1.8282.831.91ConMIDAMUSOut-27No.99SOID No.046Grains and OtoOut-cry1.8282.831.91ConMIDAMUSOut-27No.99SOID No.046Grains and OtoOut-cry1.8262.17.516ConMIDAMUSOut-27No.99SOID No.046Grains and OtoOut-cry1.8661.17.576ConMIDAMUSOut-27No.99SOID No.166Grains and OtoOut-cry1.991.101.107ConMIDAM <t< td=""><td>Wheat</td><td>CZCE</td><td>China</td><td></td><td>Nov-99</td><td></td><td>Grains and Oils</td><td>Electronic</td><td>2,894</td><td>3,294,298</td></t<>	Wheat	CZCE	China		Nov-99		Grains and Oils	Electronic	2,894	3,294,298
Red BeamCHUBJapanDar 32Nur-992,400 (s.)Grain and DistOnt-cry2,421(2.97.739)AlomitumTOCMJapanApr-97Nur-9910 tornesMetalsDet-cry2,322,37.399AlomitumTOCMJapanApr-97Nur-9915.000 p.k.Food and FiberOnt-cry2,3322,359.355Freen CarlieCMEUSNur-9955.000 p.k.Food and FiberOnt-cry2,3622,364.14JaleLiff FEEnglandJal.83Nur-9955.000 p.k.Food and FiberOnt-cry1,3622,365.712JaneCMEUSJapanApr.52Nur-9915.000 p.k.Grains and OisDat-cry1,3632,385.153Japant SolychanKCMEJapanApr.51Nur-9915.000 p.k.Food and FiberDat-cry1,3631,623.253.153Rer SikkKNINXJapanApr.51Nur-9915.000 p.k.Grains and OisDat-cry1,3631,623.257.153ContorMIDAUSO.3O.30.000 blochesGrains and OisDat-cry1,3631,623.257.153Contor and FiberOMEJapanApr.8Nur-991,000 blochesGrains and OisDat-cry1,3631,623.267Contor and JapanApr.8Nur-991,000 blochesGrains and OisDat-cry1,3631,623.267Contor and JapanApr.8Nur-992,300 erric torsGrains and OisDat-cry1,3631,6	Robusta Coffee	TGE	Japan	Jun-98	Nov-99	5,000 kg	Food and Fiber	Electronic	2,551	882,326
Rabbe: IndexOMEJapanOx-07Non-99Food and FiberOut-ray2,0222,0732,0322,0333,0322,033	Red Beans	CHUBU	Japan	Jan-82	Nov-99	2,400 kg.	Grains and Oils	Out-cry	2,541	1,299,721
AlamianTOCMJapanApr-97No.9910 tomesMetalsElectronic2.4271.494422Focker CattleCMEUISNo.71No.995.000 pl.s.Fond and FilerOut-cry2.323.56Focker CattleUISJ.483No.9950 metric torssFond and FilerOut-cry2.822.554.11IndeCMEUISJ.492No.9950 metric torssFond and FilerOut-cry2.822.554.11Inoportal StybensCHEJapanJan 82No.9915000 kg.Grains and OlisElectronic1.6832.585.17Ros SilkCHEJapanJan 82No.991500 kg.Grains and OlisBoth1.6712.057.41CattleCDTUIS1.217.217No.991000 balcleGrains and OlisBoth1.6712.057.41CattleMIDAUISOut-22No.991000 balcleGrains and OlisBoth1.6712.057.41CattleCOMMEXMalayia0.43No.99200 metric torsMetalsOut-cry1.3081.027.91CattleMIDALABEngland0.432No.99200 metric torsMetalsOut-cry1.3081.071.12CattleMIDALABEngland0.432No.99200 metric torsMetalsOut-cry1.3081.071.12CattleMIDALABEngland0.432No.992.000 bitsGrains and OlisDecroaris1.091	Rubber Index	OME	Japan	Oct-97	Nov-99		Food and Fiber	Out-cry	2,492	2,677,399
Facher Carthe CNE US Nor-71 Nor-90 44.000 lbs Lives and One-cyl 2.312 32.352 Diace NUBT US Oxt-60 Nor-90 42.000 lbs Lives and range width Out-cyl 2.312 32.355 2.3555 2.355 2.3555 2.355 2.355 2.355 2.355 2.3555 2.355 2.355 2.3555	Aluminum	TOCOM	Japan	Apr-97	Nov-99	10 tonnes	Metals	Electronic	2,427	1,494,823
Process Concense NYBT US Qa16 ch Non-99 15000 pcb, Insers outling Fond and Fiber Out-sy 2.10 3.465 21 White Super LIFE England Jul-32 Non-99 250 x GC1 Indices Both 2.082 2.564,114 Inported Styphens CME Japan Jul-32 Non-99 15.000 kg. Grains and Dis Electronic 1.633 2.534,144 Kors MK CME Japan Jul-32 Non-99 15.000 kg. Grains and Dis Electronic 1.633 2.534,157 Canc CDD US CA7.22 Non-99 1000 baskels Grains and Dis Both 1.671 2.067,147 2.067,147 1.063 1.052,057 Cate 1.061 1.072,057 1.052,057 Cate Jul-30 0.001 baskels Grains and Dis Both 1.079,052,057 1.050 Jul-30 Jul-32,052,057 Jul-32,052,057 Jul-32,052,057 Jul-32,052,057 Jul-32,052,057 Jul-32,052,057 Jul-32,052,057 Jul-32,052,057 Jul-32,052,057	Feeder Cattle	CME	US	Nov-71	Nov-99	44.000 lbs	Livestock	Out-crv	2,352	3,259,365
Junce Lines Lines <thlines< th=""> Lines <thl< td=""><td>Frozen Con Orange</td><td>NYBT</td><td>US</td><td>Oct-66</td><td>Nov-99</td><td>15 000 pds</td><td>Food and Fiber</td><td>Out-cry</td><td>2,210</td><td>3 665 921</td></thl<></thlines<>	Frozen Con Orange	NYBT	US	Oct-66	Nov-99	15 000 pds	Food and Fiber	Out-cry	2,210	3 665 921
White Suger LIFE England Jul-83 Nor-99 SOmeric rooms Food and Fiber Out-opp 2.082 2.564,114 Index Mare Jana Jana Sov-99 15.000 kg. Grains and Oils Burb 1.963 2.966,702 Imported Soybens CHURU Japan Jan-82 Nov-99 15000 kg. Grains and Oils Out-ory 1.838 2.833,153 Rew Silk KANEX Japan Ans-82 Nov-99 15000 kg. Grains and Oils Out-ory 1.863 2.207,341 Com MIDA US 0.422 Nov-99 2000 lbs. Food and Fiber Out-ory 1.366 1.077,977 Conde Paint Oil COMMIX M Malaysia Out-92 Nov-99 2000 lbs. Grains and Oils Out-cry 1.361 1.990.286 International Grain KANEX Japan Ang-83 Nov-99 2000 lbs. Grains and Oils Electronic 1.41 697.353 Male Baan Mar-81 Nov-99 2.400 kg. </td <td>Juice</td> <td></td> <td></td> <td></td> <td></td> <td>orange solids</td> <td></td> <td></td> <td>_,</td> <td>-,</td>	Juice					orange solids			_,	-,
Gadmam Sachs CME US Jul-92 Nov-99 250 x GCI Indices Both 1.965 2,986,702 Imported Soybean KCE Japan Jane 82 Nov-99 15000 kg. Grains and Oits Electronic 1.928 2,886,702 Rar Silk KANEX Japan Jane 82 Nov-99 1500 kg. Grains and Oits Both 1.633 1.632,037 Sam Silk KANEX Japan Any-51 Nov-99 1500 kg. Grains and Oits Both 1.647 2.07,414 Corn MIDAM US Oct-22 Nov-99 200 metric nors Grains and Oits Out-cry 1.036 1.1950,268 Intermiting Grain KANEX Japan Ang-98 Nov-99 200 metric nors Grains and Oits Out-cry 1.036 1.1950,268 Rol Bean KANEX Japan Ang-83 Nov-99 200 kg: Grains and Oits Out-cry 1.04 1.01,030 Indix Mara M Lag-97 Nov-99 10000 kg	White Sugar	LIFFE	England	Jul-83	Nov-99	50 metric tons	Food and Fiber	Out-cry	2.082	3 564 114
	Goldman Sachs	CME	US	Jul-92	Nov-99	250 x GCI	Indices	Both	1 965	2 986 702
Imported Soybean Imported Soybean Renormal Soybean Renormal Soybean CHUBU MANNA CAUCA DATA Renormal Soubean 	Index	CITE	00	var >2	1101 77	200 11 0001	malees	Dom	1,900	2,,,00,,102
	Imported Sovhean	KCE	Ianan	Ian-82	Nov-99	15 000 kg	Grains and Oils	Electronic	1 928	2 860 657
	Imported Soybeans	CHUBU	Japan	Jan 82	Nov 99	15,000 kg.	Grains and Oils	Out cry	1,520	2,000,057
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Down Sills	KANEY	Japan	Jan=02 More 51	Nov 00	15,000 kg.	Granis and Cibor	Electronic	1,005	2,383,133
$ \begin{array}{ccccc} \mbox{Carl} & CBO1 & CS & 12.157 & 100.797 & 300.0 students & Carlins and Olis Dati (197) & 12.00.241 \\ \mbox{Carls Part (4b)} & OME & Japan & Apr-83 & Nov-99 & 1.000 Dubelts & Grants and Olis Out-cry & 1.396 & 1.175.16 \\ \mbox{Carls Part (4b)} & OME & Tapan & Apr-83 & Nov-99 & 20 metric tons & Grants and Olis & Det-cry & 1.396 & 1.990.266 \\ Carls Part Olis Data Part Part Olis Data Part Part Part Olis Data Part Part Part Part Part Part Part P$	Naw Slik	CROT	Japan	1/2/1977	Nov 00	5000 hushala	Croins and Oils	Deth	1,005	2,067,241
Chin Diff. 201 Chic 22 Nov-99 Control Sum (Mar) Control Sum (Mar) <thc< td=""><td>Cam</td><td>MIDAM</td><td>US</td><td>1/2/10// Oct 22</td><td>Nov 00</td><td>1 000 bushels</td><td>Crains and Oils</td><td>Dut arr</td><td>1,047</td><td>1 695 577</td></thc<>	Cam	MIDAM	US	1/2/10// Oct 22	Nov 00	1 000 bushels	Crains and Oils	Dut arr	1,047	1 695 577
Control Lange Lange <thlange< th=""> Lange Lange <t< td=""><td>Com</td><td>MIDAM</td><td>US</td><td>Oct-22</td><td>Nov-99</td><td>1,000 busnets</td><td>Grains and Oils</td><td>Out-cry</td><td>1,552</td><td>1,085,577</td></t<></thlange<>	Com	MIDAM	US	Oct-22	Nov-99	1,000 busnets	Grains and Oils	Out-cry	1,552	1,085,577
Chaole ratio Oil COMMEX M Matrysia Oct-90 Nov-99 20 metric tools Grains and Oils Out-cry 1,361 1,3150.286 International Grain KAPEX Japan Aug-98 Nov-99 200 metric tools Grains and Oils Electronic 1,124 991,060 Index KCE Japan Jan-82 Mov-99 200 metric tools Grains and Oils Electronic 1,114 697,837 Rober NEW CME US Jul-95 Nov-99 200 metric tools Food and Fiber Out-cry 1,004 1,001,006 matomic neigh Zay45 Stoble S Grains and Oils Out-cry 744 197,925 Metat MIDAM US Oxt-22 Nov-99 1000 metric Grains and Oils Out-cry 744 197,925 Natural Gas IPE England Jan-97 Nov-99 1000 metric Grains and Oils Out-cry 721 765,980 Staple Fiber Yam CHUBU Japan Feb-51 Mar-99 1000 metri	Cotton Yarn (40s)	OME	Japan	Apr-83	Nov-99	4,000 lbs.	Food and Fiber	Out-cry	1,496	1,057,767
Alumnum Aloy LME England C4:92 Nov-99 200 metric tons Metals Out-cry 1,251 1.290.280 Index International Grains KANEX Japan Aug-98 Nov-99 2,400 kg. Grains and Olis Electronic 1,101 71,112 Rel Bean KCE Japan Jan-82 Nov-99 2,400 kg. Grains and Olis Electronic 1,101 71,112 Lamber - NEW CME US Jul-95 Nov-99 500 kg. Food and Fiber Out-cry 982 120.268 Wolen Yam OME Japan Apr.83 Nov-99 500 kg. Food and Fiber Out-cry 782 120.268 Wheat MIDAM US Oct-22 Nov-99 1000 bushels Grains and Olis Out-cry 721 765.980 Natural Gas IPE England Jan-97 Nov-99 1000 Therms Energy Electronic 668 240.510 Natural Gas IPE England Jan-97 Nov-99 1000 Therms Energy Electronic 648 240.510	Crude Palm Oil	COMMEX M	Malaysia	Oct-80	Nov-99	25 metric tons	Grains and Oils	Out-cry	1,396	2,11/,516
International Gram & KNEX Japan Aug-98 Nov-99 ¥10,000 x mdex Grams and Oils Electronic 1,299 491,060 Index Red Beam KCE Japan Jan-82 Nov-99 2,400 kg. Grains and Oils Electronic 1,114 697,837 White Suge 450 ParisB France Jan-68 Nov-99 80,000 bet, frof Food and Fiber Electronic 1,114 101 711,192 Lamber - NEW CME US Jul-95 Nov-99 80,000 bet, frof Food and Fiber Out-cry 1,004 1,001,006 random length 2x45 Wheat MIDAM US Oct-22 Nov-99 1000 troy oz. Metals Out-cry 779 653,562 1,000 C, Silver CBOT US Mar-81 Nov-99 1000 troy oz. Metals Out-cry 721 765,980 Natural Gas Daily IPE England Jan-97 Nov-99 1,000 Therms Energy Electronic 668 240,510 Natural Gas Daily IPE England Jan-97 Nov-99 1,000 Therms Energy Electronic 668 240,510 Natural Gas Daily IPE England Jan-97 Nov-99 1000 Therms Energy Electronic 668 240,510 Natural Gas Daily IPE England Jan-97 Nov-99 1000 Therms Energy Electronic 668 240,510 Data Staple Fiber Yam CHUBU Japan Feb-51 Mar-99 5,000 Ib. Food and Fiber Out-cry 599 37,185 DOUL J. Palladium NYMEX US Jan-68 Nov-99 100 troy oz. Metals Both 589 770,098 Rice CBOT US Out-99 5000 Ib. Food and Fiber Out-cry 530 47,244 Westem Domestic WCE Canada Feb-83 Nov-99 20 metric tonne Grains and Oils Out-cry 537 1,163,892 board lot Suge Fiber Yam US Jau-88 Nov-99 20 metric tonne Grains and Oils Out-cry 537 1,163,892 Food and Fiber Out-cry 530 498,884 Westem Domestic WCE Canada Feb-83 Nov-99 20 metric tonne Grains and Oils Out-cry 530 498,887 US S-Denominated BM & F Brazil Aug-89 Nov-99 100 troy oz. Metals Both 589 770,098 Raber S22 SICOM Singapore May-92 Nov-99 5NT Food and Fiber Out-cry 530 498,884 US S-Denominated BM & F Brazil Aug-89 Nov-99 100 bags (Ibag Feod and Fiber Out-cry 530 498,884 US S-Denominated BM & F Brazil Aug-89 Nov-99 100 bags (Ibag Feod and Fiber Out-cry 530 498,884 US S-Denominated BM & F Brazil Aug-89 Nov-99 5NT Food and Fiber Out-cry 530 498,884 US S-Denominated BM & F Brazil Jul-55 Nov-99 100 metric tons Grains and Oils Out-cry 350 472,484 Suber S31 SICOM Singapore May-92 Nov-	Aluminum Alloy	LME	England	Oct-92	Nov-99	200 metric tons	Metals	Out-cry	1,361	1,950,286
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	International Grain	KANEX	Japan	Aug-98	Nov-99	¥10,000 x index	Grains and Oils	Electronic	1,299	391,060
Red Beam KCb Japan Jan-82 Nov-99 Z400 kg. Grams and Oad and Fiber Electronic 1,144 697,857 Lamber - NEW CME US Jul-95 Nov-99 80,000 bd. ft. of Food and Fiber Out-cry 1,004 1,001,006 wolen Yam OME Japan Apr-83 Nov-99 500 kg. Food and Fiber Out-cry 982 122.228 Wheat MIDAM US Qct-22 Nov-99 1000 bushels Grains and Oils Out-cry 792 653.562 1,000 C.Silver CBOT US Mar-81 Nov-99 1000 metric Grains and Oils Out-cry 721 765.980 Natural Gas Daily IPE England Jan-74 Nov-99 1,000 Therms Energy Electronic 668 240,510 Natural Gas Daily IPE England Jan-64 Nov-99 1,000 Therms Energy Electronic 668 240,500 Rayee Eiber Yam CHUBU Japa-68 Nov-99 1,000 Therms Energy Electronic 537,185 (DULL) <td< td=""><td>Index</td><td></td><td></td><td></td><td></td><td></td><td>~</td><td></td><td></td><td></td></td<>	Index						~			
White Sugar (ds)parisBFranceJan-68May-99So metric tonsFood and FiberElectronic1,101711,192Lumber - NEWCMEUSJul-95Nov-99Sto00 bd, ft, ofFood and FiberOut-cry1,0041,001,102Woolen YarnOMEJapanApr-83Nov-99500 kgFood and FiberOut-cry792120,268WheatMIDAMUSCx-22Nov-991,000 tryo z.MetalsOut-cry774653,562J000 Cz, SilverCBOTUSMar-81Nov-991000 tryo z.MetalsOut-cry721765,980Natural CasIPEEnglandJan-98Nov-991000 tryo z.MetalsOut-cry620519,023Natural CasIPEEnglandJan-94Nov-991000 metric tonneGrains and OilsOut-cry620519,023Staple Fiber YarnCHUBUJapanFeb-51Mar-995000 lb.Food and FiberOut-cry59937,185(DUL)PalladiumNYMEXUSJan-68Nov-99100 metric tonneGrains and OilsOut-cry5371,163,892(DUL)PalladiumNYMEXUSJan-68Nov-99100 metric tonneGrains and OilsOut-cry5371,163,892(DUL)PalladiumNYMEXUSJan-80Nov-995000 lb.Grains and OilsOut-cry5371,163,892(Dust PalladiumNYMEXUSJan-80Nov-991	Red Bean	KCE	Japan	Jan-82	Nov-99	2,400 kg.	Grains and Oils	Electronic	1,144	697,837
Lumber - NEWCMEUSJul-95No.*9980.000 bd, ft, of random length $2x4\%$ Food and Fiber Out-cry1.0041.001.006 1.001.006 random length $2x4\%$ Woolen YamOMEJapan USApr-83Nov-99500 kg.Food and Fiber Grains and Oils Out-cry779653.562 (2010 metric tonsWheatMIDAMUSOct-22Nov-991000 troy cz.MetalsOut-cry774779653.562 (2010 metric tonsWheatWCECanadaJan-74Nov-991000 troy cz.MetalsOut-cry721765.980Natural Gas DailyIPEEnglandJan-97Nov-991.000 ThermsEnergyElectronic666403.650Staple Fiber YamCHUBUJapanFeb-51Mar-995.000 lb.Food and FiberOut-cry59937.185(OULL)NVMEXUSJan-68Nov-99200.000 lbs.Grains and OilsBoth575647.244PalladiumNYMEXUSJan-68Nov-99200.000 lbs.Grains and OilsBoth575647.244Vestern DomesticWCECanadaFeb-51Mar-99100 moy cz.MetalsBoth575647.244Vust-S-DomaledBM & FBrazilAug-89Nov-99200.000 lbs.Grains and OilsOut-cry5371.163.892Vust-S-DomaledWASJan-80Nov-99S0metric tomsGrains and OilsOut-cry536741.368Nust-S-F	White Sugar (45)	ParisB	France	Jan-68	May-99	50 metric tons	Food and Fiber	Electronic	1,101	711,192
Wolen YamOMEJapanApr-83Nov-99500 kg.Food and FiberOut-cry982120,268WheatMIDAMUSOct-22Nov-991,000 bushelsGrains and OilsOut-cry774653.562(J000 C. SilverCBOTUSMar-81Nov-991000 troy or.MetalsOut-cry721765.980WheatWCECanadaJan-74Nov-991000 ThermsEnergyElectronic668240,510Natural GasIPEEnglandJan-97Nov-991,000 ThermsEnergyElectronic666403,650IsaxeedWCECanadaJan-04Nov-991,000 ThermsEnergyElectronic666403,650Suple Fiber YarCHUBUJapanFeb-51Mar-995,000 lb.Food and FiberOut-cry59937,185(DULL)PaladinimNYMEXUSJan-68Nov-991000 troy oz.MetalsBoth589770,098PaladiumNYMEXUSJan-68Nov-99200,000 lb.Grains and OilsOut-cry5371,163,892RiceCBOTUSOct-94Nov-99200,000 lb.Food and FiberElectronic534672,170Sugar #14NYBTUSJul-85Nov-99200Food and FiberClut-cry530698,887Rubber SS1SICOMSingaporeMay-92Nov-99112,000 lbs.Food and FiberOut-cry530698,887Rubb	Lumber - NEW	CME	US	Jul-95	Nov-99	80,000 bd. ft. of random length 2x4's	Food and Fiber	Out-cry	1,004	1,001,006
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Woolen Varn	OME	Ianan	Apr-83	Nov-99	500 kg	Food and Fiber	Out-cry	982	120 268
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Wheat	MIDAM	US	Oct-22	Nov-99	1 000 bushels	Grains and Oils	Out-cry	779	653 562
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	1 000 Oz Silver	CROT		Mar 81	Nov 99	1,000 busilets	Metals	Out-cry	744	107 025
Natural Gas Natural Gas Natural Gas Daily IPEEngland England IPEJun-98 England Jan-97Nov-99 Nov-991.000 Therms 100 metric tone board lotEnergy ElectronicElectronic 666668 403,650FlaxseedWCECanada Jan-04Jan-97Nov-99 100 metric tone board lotGrains and OilsOut-cry620519,023Staple Fiber Yarn (UULL)CHUBUJapanFeb-51Mar-995.000 lb.Food and FiberOut-cry59937,185PalladiumNYMEXUSJan-68Nov-99100 troy oz. 20 metric tone board lotMetalsBoth575647,244Westem DomesticCBOTUSOct-94Nov-9920 metric tone board lotGrains and OilsOut-cry5371,163,892Feed BarleySICOMSingaporeMay-92Nov-99SMTFood and FiberCut-cry530698,887Sugar #14NYBUSJal-85Nov-99100 tos or. 20 metric tone 60kg)Food and FiberOut-cry506741,368Jostar #14NYBUSJal-80Nov-99100 bags (1bag = 60kg)Food and FiberOut-cry506741,368Jostar #14NYBUSJal-80Nov-99500 metric tonsFood and FiberOut-cry470476,897Arabica CoffeeNYMNetherlandsJan-80Nov-99500 metric tonsFood and FiberOut-cry470476,897Arabica CoffeeNYMEXUS <td>Wheat</td> <td>WCE</td> <td>Canada</td> <td>Jan-74</td> <td>Nov-99</td> <td>20/100 metric</td> <td>Grains and Oils</td> <td>Out-cry Out-cry</td> <td>721</td> <td>765,980</td>	Wheat	WCE	Canada	Jan-74	Nov-99	20/100 metric	Grains and Oils	Out-cry Out-cry	721	765,980
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Natural Gas	IPF	England	Jun-98	Nov-99	1 000 Therms	Energy	Electronic	668	240 510
Harman Case DariyH.C.England LangeJan-94 Jan-94Nov-99 Nov-99How Filtering 	Natural Gas Daily	IPE	England	Jan-97	Nov-99	1,000 Therms	Energy	Electronic	666	403 650
InsectionInterfCanadaJanonFor Part of InterformeControl of the board for and board board for and board board for and board board for and board board board for and board board for and board board board for an	Flavseed	WCF	Canada	Jan-04	Nov-99	100 metric tonne	Grains and Oils	Out-cry	620	519 023
Shape rinder YamCHUBDJapanFeb-31Mar-995,000 lb.Food and FiberOut-cry59937,185PalladiumNYMEXUSJan-68Nov-99100 troy oz.MetalsBoth575647,244RiceCBOTUSOct-94Nov-99200,000 lbs.Grains and OilsBoth575647,244Western DomesticWCECanadaFeb-83Nov-99200 metric tonneGrains and OilsOut-cry5371,163,892Feed BarleySICOMSingaporeMay-92Nov-995MTFood and FiberElectronic534672,170Sugar #14NYBTUSJul-85Nov-995MTFood and FiberOut-cry506741,368Arabica CoffeeBM & FBrazilAug-89Nov-9950 metric tonsFood and FiberOut-cry506741,368AubinioumSHFEChinaNov-9950 metric tonsFood and FiberOut-cry399361,295PotatoNVNNetherlandsJan-80Nov-99500 X indexIndicesOut-cry399361,295Research BureauNYBTUSJun-86Nov-99\$500 X indexIndicesOut-cry399361,295Research BureauInformaNov-99100 metric tonsGrains and OilsElectronic342396,332IndexUSMar-96Nov-995 MTFood and FiberElectronic390332,841IndexUSMar-96 </td <td>Starla Eller Verr</td> <td>CUMPU</td> <td>Lanan</td> <td>F-1 51</td> <td>M-= 00</td> <td>board lot</td> <td></td> <td>Out-ory</td> <td>500</td> <td>27.195</td>	Starla Eller Verr	CUMPU	Lanan	F-1 51	M-= 00	board lot		Out-ory	500	27.195
PalladiumNYMEXUSJan-68Nov-99100 troy oz.MetalsBoth589770.098RiceCBOTUSOct-94Nov-99200.000 lbs.Grains and OilsOut-cry5371.163.892Rubber SS2SICOMSingaporeMay-92Nov-9920 metric tonneGrains and OilsOut-cry5371.163.892Sugar #14NYBTUSJul-85Nov-995MTFood and FiberCut-cry530672,170Sugar #14NYBTUSJul-85Nov-99100 bags (1bag =Food and FiberOut-cry506741,368Arabica CoffeeNVNNetherlandsJan-80Nov-99100 bags (1bag =Food and FiberOut-cry470476,897AuminumSHFEChinaNov-9950 metric tonsFood and FiberOut-cry470476,897AluminumSHFEChinaNov-9950 metric tonsFood and FiberOut-cry470476,897AluminumSHFEChinaNov-9950 metric tonsFood and FiberOut-cry39361,295Research BureauNgHEXUSMar-96Nov-99EnergyBoth391326,328IndexCalifornia OregonNYMEXUSMar-96Nov-995 MTFood and FiberElectronic390332,841Ruber SS1SICOMSingaporeMay-92Nov-995 MTFood and FiberElectronic342501,191RapeseedParisB <td>(DULL)</td> <td>СНОВО</td> <td>Japan</td> <td>Feb-51</td> <td>Mar-99</td> <td>5,000 lb.</td> <td>Food and Fiber</td> <td>Out-cry</td> <td>599</td> <td>37,185</td>	(DULL)	СНОВО	Japan	Feb-51	Mar-99	5,000 lb.	Food and Fiber	Out-cry	599	37,185
RiceCBOTUSOct-94Nov-99200.000 lbs.Grains and OilsBoth573 $647,244$ Western DomesticWCECanadaFeb-83Nov-9920 metric tonne board lotGrains and OilsOut-cry537 $1,163,892$ Rubber SS2SICOMSingaporeMay-92Nov-995MTFood and FiberElectronic534 $672,170$ Sugar #14NYBTUSJul-85Nov-99112,000 lbs.Food and FiberOut-cry530 $698,887$ Arabica CoffeeBM & FBrazilAug-89Nov-99100 bags (1bg = $60kg.$)Food and FiberOut-cry506 $741,368$ PotatoNVNNetherlandsJan-80Nov-9950 metric tonsFood and FiberOut-cry470 $476,897$ AluminumSHFEChinaNov-9950 metric tonsFood and FiberOut-cry470 $476,897$ AluminumSHFEChinaNov-99S500 X indexIndicesOut-cry399 $361,295$ Research BureauNYBTUSJun-86Nov-99\$500 X indexIndicesOut-cry399 $361,295$ Research BureauIndexSICOMSingaporeMay-92Nov-995 MTFood and FiberElectronic390 $332,841$ Rubber SS1SICOMSingaporeMay-92Nov-995 MTFood and FiberGut-cry384501,191RapescedParisBFranceOct-94Nov-99Inder:crossG	Palladium	NYMEX	US	Jan-68	Nov-99	100 troy oz.	Metals	Both	589	770,098
Western Domestic Feed BarleyWCECanadaFeb-83Nov-9920 metric tonne board lotGrains and OilsOut-cry5371,163,892Feed Barley Rubber SS2SICOMSingaporeMay-92Nov-99SMTFood and FiberElectronic534672,170Sugar #14NYBTUSJul-85Nov-99100 bags (Ibag = 60kg.)Food and FiberOut-cry530698,887U.S.S-Denominated Arabica CoffeeNVNNetherlandsJan-80Nov-99100 bags (Ibag = 60kg.)Food and FiberOut-cry470476,897OtatoNVNNetherlandsJan-80Nov-99MetalsElectronic449462,916PotatoNYMEXUSMar-96Nov-99EnergyBoth404346,364CommodityNYBTUSJun-86Nov-99\$500 X indexIndicesOut-cry399361,295Research Bureau IndexIndexVSingaporeMay-92Nov-995 MTFood and FiberElectronic390332,841WheatLIFFEEnglandJul-65Nov-99Ion metric tonsGrains and OilsOut-cry384501,191RapbersedParisBFranceOct-94Nov-99EnergyOut-cry384501,191RapseedParisBFranceOct-94Nov-99Grains and OilsOut-cry326316,344Woolen YamCHUBUJapanOct-51Nov-99EnergyOut-cry	Rice	CBOT	US	Oct-94	Nov-99	200,000 lbs.	Grains and Oils	Both	575	647,244
Rubber SS2SICOMSingaporeMay-92Nov-99SMTFood and FiberElectronic534672,170Sugar #14NYBTUSJul-85Nov-99112,000 lbs.Food and FiberOut-cry530698,887US.S-DenominatedBM & FBrazilAug-89Nov-99100 bags (1bag = 60kg.)Food and FiberOut-cry506741,368Arabica CoffeeNVNNetherlandsJan-80Nov-9950 metric tonsFood and FiberOut-cry470476,897AluminumSHFEChinaNov-9950 metric tonsFood and FiberOut-cry470476,897AluminumSHFEChinaNov-99S00 xindexIndicesOut-cry399361,295PotatoNYMEXUSMar-96Nov-99\$500 X indexIndicesOut-cry399361,295Research BureauIndexSingaporeMay-92Nov-995 MTFood and FiberElectronic390332,841Rubber SS1SICOMSingaporeMay-92Nov-995 MTFood and FiberElectronic390332,841WheatLIFFEEnglandJul-65Nov-99EnergyOut-cry384501,191RapeseedParisBFranceOct-94Nov-99EnergyOut-cry384501,191RapeseedParisBFranceOct-51Nov-99EnergyOut-cry386363 361,634Woolen YamCHUBUJapanOct-51 <td>Western Domestic Feed Barley</td> <td>WCE</td> <td>Canada</td> <td>Feb-83</td> <td>Nov-99</td> <td>20 metric tonne board lot</td> <td>Grains and Oils</td> <td>Out-cry</td> <td>537</td> <td>1,163,892</td>	Western Domestic Feed Barley	WCE	Canada	Feb-83	Nov-99	20 metric tonne board lot	Grains and Oils	Out-cry	537	1,163,892
Sugar #14NYBTUSJul-85Nov-99112,000 lbs.Food and FiberOut-cry530698,887U.S.\$-Denominated Arabica CoffeeBM & FBrazilAug-89Nov-99100 bags (1bag = 60kg.)Food and FiberOut-cry506741,368OrdatoNVNNetherlandsJan-80Nov-9950 metric tonsFood and FiberOut-cry470476,897AluminumSHFEChinaNov-9950 metric tonsFood and FiberOut-cry470476,897Palo VerdeNYMEXUSMar-96Nov-99EnergyBoth404346,364ElectricityNYBTUSJun-86Nov-99\$500 X indexIndicesOut-cry399361,295Research Bureau IndexIndexSICOMSingaporeMay-92Nov-995 MTFood and FiberElectronic390332,841WheatLIFFEEnglandJul-65Nov-99100 metric tonsGrains and OilsOut-cry384501,191RapeseedParisBFranceOct-94Nov-99500 kg.Food and FiberOut-cry255149,489U.S.S-DenominatedBM & FBrazilJun-91Nov-99500 kg.Food and FiberOut-cry251445,901Live CattleWheatBCOEHungaryNov-98Nov-99Grains and OilsOut-cry251445,901Live CattleBlitic Freight IndexLIFFEEnglandMay-85Nov-99I0	Rubber SS2	SICOM	Singapore	May-92	Nov-99	5MT	Food and Fiber	Electronic	534	672,170
U.S.S-Denominated Arabica CoffeeBM & FBrazilAug-89Nov-99IO0 bags (1bag = 60kg.)Food and FiberOut-cry506741,368PotatoNVNNetherlandsJan-80Nov-9950 metric tonsFood and FiberOut-cry470476,897PotatoNYMNetherlandsJan-80Nov-9950 metric tonsFood and FiberOut-cry470476,897Palo VerdeNYMEXUSMar-96Nov-99EnergyBoth404346,364ElectricityNYBTUSJun-86Nov-99\$500 X indexIndicesOut-cry399361,295Commodity Research Bureau IndexNYMEXUSMar-96Nov-995 MTFood and FiberElectronic390332,841Rubber SS1SICOMSingaporeMay-92Nov-995 MTFood and FiberElectronic390332,841WheatLIFFEEnglandJul-65Nov-99100 metric tonsGrains and OilsOut-cry384501,191RapeseedParisBFranceOct-94Nov-99EnergyOut-cry36316,344Woolen YamCHUBUJapanOct-51Nov-99500 kg.Food and FiberOut-cry251445,901Live CattleBCOEHungaryNov-98Nov-99IndicesOut-cry251445,901Baltic Freight IndexLIFFEEnglandMay-85Nov-99In grains and OilsOut-cry25064,188 <td>Sugar #14</td> <td>NYBT</td> <td>US</td> <td>Jul-85</td> <td>Nov-99</td> <td>112,000 lbs.</td> <td>Food and Fiber</td> <td>Out-cry</td> <td>530</td> <td>698,887</td>	Sugar #14	NYBT	US	Jul-85	Nov-99	112,000 lbs.	Food and Fiber	Out-cry	530	698,887
PotatoNVNNetherlandsJan-80Nov-9950 metric tonsFood and FiberOut-cry470476,897AluminumSHFEChinaNov-99MetalsElectronic449462,916Palo VerdeNYMEXUSMar-96Nov-99EnergyBoth404346,364ElectricityNYBTUSJun-86Nov-99\$500 X indexIndicesOut-cry399361,295Research BureauIndexNSPUSMar-96Nov-99\$500 X indexIndicesOut-cry391326,328California Oregon Border ElectricityNYMEXUSMar-96Nov-995 MTFood and FiberElectronic390332,841WheatLIFFEEnglandJul-65Nov-99100 metric tonsGrains and OilsOut-cry384501,191RapeseedParisBFranceOct-94Nov-99100 metric tonsGrains and OilsElectronic342396,733Wester Natural GasKCBTUSAug-95Nov-99EnergyOut-cry265149,489US.S-Denominated U.S.S-DenominatedBM & FBrazilJun-91Nov-994,900 kgLivestockOut-cry251445,901WheatBCOEHungaryNov-98Nov-99Ingrian and OilsOut-cry25064,188Baltic Freight IndexLIFFEEnglandMay-85Nov-99IngreesGrains and OilsOut-cry25064,188Baltic Freigh	U.S.\$-Denominated Arabica Coffee	BM & F	Brazil	Aug-89	Nov-99	100 bags (1bag = 60kg.)	Food and Fiber	Out-cry	506	741,368
AluminumSHFEChinaNov-99MetalsElectronic449462,916Palo Verde ElectricityNYMEXUSMar-96Nov-99EnergyBoth404346,364Commodity Research Bureau IndexNYBTUSJun-86Nov-99\$500 X indexIndicesOut-cry399361,295California Oregon Border ElectricityNYMEXUSMar-96Nov-99\$500 X indexIndicesOut-cry391326,328Rubber SS1SICOMSingaporeMay-92Nov-995 MTFood and FiberElectronic390332,841WheatLIFFEEnglandJul-65Nov-99100 metric tonsGrains and OilsOut-cry384501,191RapeseedParisBFranceOct-94Nov-99500 kg.EnergyOut-cry336316,344Woolen YarnCHUBUJapanOct-51Nov-99500 kg.Food and FiberOut-cry255149,489U.S.\$-Denominated Live CattleBCOEHungaryNov-98Nov-994,950 kg.LivestockOut-cry251445,901WheatBCOEHungaryNov-98Nov-9910 per BIFFEX pointGrains and OilsOut-cry25064,188Baltic Freight IndexLIFFEEnglandMay-85Nov-9910 per BIFFEX 	Potato	NVN	Netherlands	Jan-80	Nov-99	50 metric tons	Food and Fiber	Out-cry	470	476,897
Palo Verde ElectricityNYMEXUSMar-96Nov-99Nov-99EnergyBoth404346,364Commodity Research Bureau IndexNYBTUSJun-86Nov-99\$500 X indexIndicesOut-cry399361,295Research Bureau IndexNYMEXUSMar-96Nov-99\$500 X indexIndicesOut-cry391326,328California Oregon Border ElectricityNYMEXUSMar-96Nov-995 MTFood and FiberElectronic390332,841WheatLIFFEEnglandJul-65Nov-99100 metric tonsGrains and OilsOut-cry384501,191RapeseedParisBFranceOct-94Nov-99100 metric tonsGrains and OilsElectronic342396,733Western Natural GasKCBTUSAug-95Nov-99500 kg.Food and FiberOut-cry336316,344Wolen YarnCHUBUJapanOct-51Nov-99500 kg.Food and FiberOut-cry265149,489U.S.\$-Denominated Live CattleBCOEHungaryNov-98Nov-994,950 kg.LivestockOut-cry25064,188Baltic Freight IndexLIFFEEnglandMay-85Nov-9910 per BIFFEX pointIndicesOut-cry245206,069	Aluminum	SHFE	China		Nov-99		Metals	Electronic	449	462,916
Commodity Research Bureau IndexNYBTUSJun-86Nov-99\$500 X indexIndicesOut-cry399361,295California Oregon Border ElectricityNYMEXUSMar-96Nov-99EnergyBoth391326,328Rubber SS1SICOMSingaporeMay-92Nov-995 MTFood and FiberElectronic390332,841WheatLIFFEEnglandJul-65Nov-99100 metric tonsGrains and OilsOut-cry384501,191RapeseedParisBFranceOct-94Nov-9900 metric tonsGrains and OilsElectronic342396,733Westem Natural GasKCBTUSAug-95Nov-99EnergyOut-cry336316,344Woolen YarnCHUBUJapanOct-51Nov-99500 kgLivestockOut-cry251149,489Live CattleBCOEHungaryNov-98Nov-994,950 kgLivestockOut-cry25064,188Baltic Freight IndexLIFFEEnglandMay-85Nov-9910 per BIFFEX pointIndicesOut-cry245206,069	Palo Verde Electricity	NYMEX	US	Mar-96	Nov-99		Energy	Both	404	346,364
California Oregon Border ElectricityNYMEXUSMar-96Nov-99EnergyBoth391326,328Rubber SS1SICOMSingaporeMay-92Nov-995 MTFood and FiberElectronic390332,841WheatLIFFEEnglandJul-65Nov-99100 metric tonsGrains and OilsOut-cry384501,191RapeseedParisBFranceOct-94Nov-9900 metric tonsGrains and OilsElectronic342396,733Western Natural GasKCBTUSAug-95Nov-99EnergyOut-cry336316,344Woolen YarnCHUBUJapanOct-51Nov-99500 kg.Food and FiberOut-cry265149,489U.S.\$-DenominatedBM & FBrazilJun-91Nov-994,950 kgLivestockOut-cry251449,489WheatBCOEHungaryNov-98Nov-99I0 per BIFFEXIndicesOut-cry25064,188Baltic Freight IndexLIFFEEnglandMay-85Nov-9910 per BIFFEXIndicesOut-cry245206,069	Commodity Research Bureau Index	NYBT	US	Jun-86	Nov-99	\$500 X index	Indices	Out-cry	399	361,295
Rubber SS1SICOMSingaporeMay-92Nov-995 MTFood and FiberElectronic390332,841WheatLIFFEEnglandJul-65Nov-99100 metric tonsGrains and OilsOut-cry384501,191RapeseedParisBFranceOct-94Nov-99100 metric tonsGrains and OilsElectronic342396,733Western Natural GasKCBTUSAug-95Nov-99EnergyOut-cry336316,344Woolen YarnCHUBUJapanOct-51Nov-99500 kg.Food and FiberOut-cry265149,489U.S.\$-DenominatedBM & FBrazilJun-91Nov-994,950 kgLivestockOut-cry251445,901Live CattleWheatBCOEHungaryNov-98Nov-9910 per BIFFEX pointIndicesOut-cry25064,188Baltic Freight IndexLIFFEEnglandMay-85Nov-9910 per BIFFEX pointIndicesOut-cry245206,069	California Oregon Border Electricity	NYMEX	US	Mar-96	Nov-99		Energy	Both	391	326,328
WheatLIFFEEnglandJul-65Nov-99100 metric tonsGrains and OilsOut-cry384501,191RapeseedParisBFranceOct-94Nov-99Grains and OilsElectronic342396,733Western Natural GasKCBTUSAug-95Nov-99EnergyOut-cry336316,344Woolen YarnCHUBUJapanOct-51Nov-99500 kg.Food and FiberOut-cry265149,489U.S.\$-DenominatedBM & FBrazilJun-91Nov-994,950 kgLivestockOut-cry251445,901Live CattleWheatBCOEHungaryNov-98Nov-99Grains and OilsOut-cry25064,188Baltic Freight IndexLIFFEEnglandMay-85Nov-9910 per BIFFEX pointIndicesOut-cry245206,069	Rubber SS1	SICOM	Singapore	May-92	Nov-99	5 MT	Food and Fiber	Electronic	390	332,841
RapeseedParisBFranceOct-94Nov-99Grains and OilsElectronic342396,733Western Natural GasKCBTUSAug-95Nov-99EnergyOut-cry336316,344Woolen YarnCHUBUJapanOct-51Nov-99500 kg.Food and FiberOut-cry265149,489U.S.\$-DenominatedBM & FBrazilJun-91Nov-994,950 kgLivestockOut-cry251445,901Live CattleWheatBCOEHungaryNov-98Nov-99Grains and OilsOut-cry25064,188Baltic Freight IndexLIFFEEnglandMay-85Nov-9910 per BIFFEX pointIndicesOut-cry245206,069	Wheat	LIFFE	England	Jul-65	Nov-99	100 metric tons	Grains and Oils	Out-cry	384	501,191
Western Natural GasKCBTUSAug-95Nov-99EnergyOut-cry336316,344Woolen YarnCHUBUJapanOct-51Nov-99500 kg.Food and FiberOut-cry265149,489U.S.\$-DenominatedBM & FBrazilJun-91Nov-994,950 kgLivestockOut-cry251445,901Live CattleWheatBCOEHungaryNov-98Nov-99Grains and OilsOut-cry25064,188Baltic Freight IndexLIFFEEnglandMay-85Nov-9910 per BIFFEX pointIndicesOut-cry245206,069	Rapeseed	ParisB	France	Oct-94	Nov-99		Grains and Oils	Electronic	342	396.733
Woolen Yam CHUBU Japan Oct-51 Nov-99 500 kg. Food and Fiber Out-cry 265 149,489 U.S.\$-Denominated BM & F Brazil Jun-91 Nov-99 4,950 kg Livestock Out-cry 251 445,901 Live Cattle Wheat BCOE Hungary Nov-98 Nov-99 Grains and Oils Out-cry 250 64,188 Baltic Freight Index LIFFE England May-85 Nov-99 10 per BIFFEX Indices Out-cry 245 206,069	Western Natural Gas	KCBT	US	Aug-95	Nov-99		Energy	Out-crv	336	316.344
U.S.\$-Denominated BM & F Brazil Jun-91 Nov-99 4,950 kg Livestock Out-cry 251 445,901 Live Cattle Wheat BCOE Hungary Nov-98 Nov-99 Grains and Oils Out-cry 250 64,188 Baltic Freight Index LIFFE England May-85 Nov-99 10 per BIFFEX Indices Out-cry 245 206,069 point	Woolen Yarn	CHUBU	Japan	Oct-51	Nov-99	500 kg.	Food and Fiber	Out-crv	265	149.489
Wheat BCOE Hungary Nov-98 Nov-99 Grains and Oils Out-cry 250 64,188 Baltic Freight Index LIFFE England May-85 Nov-99 10 per BIFFEX Indices Out-cry 245 206,069 point point	U.S.\$-Denominated Live Cattle	BM & F	Brazil	Jun-91	Nov-99	4,950 kg	Livestock	Out-cry	251	445,901
Baltic Freight Index LIFFE England May-85 Nov-99 10 per BIFFEX Indices Out-cry 245 206,069 point	Wheat	BCOF	Hungary	Nov-98	Nov-00		Grains and Oila	Out-erv	250	64 199
	Baltic Freight Index	LIFFE	England	May-85	Nov-99	10 per BIFFEX point	Indices	Out-cry	245	206,069

Cinergy Hub Electricity	NYMEX	US	Jul-98	Nov-99	736 Mwh	Energy	Both	243	76,673
White Maize	SAFEX	South Africa	Feb-96	Nov-99	100 Ton	Grains and Oils	Electronic	239	206,214
Gold	KOFEX	Korea	Apr-99	Nov-99	1 kg	Metals	Electronic	227	36.254
TS Rubber 20	SICOM	Singapore	Nov-96	Nov-99	20 MT	Food and Fiber	Electronic	207	144 708
Brent Crude	SIMEX	Singapore	Jun-95	Nov-99		Energy	Out-cry	203	204 191
Milling Wheat	BCOF	Hungary	Jan-89	Apr-99	20 mt	Grains and Oils	Out-cry	196	219 302
Wheat (New)	DevicB	France	Mar 08	Nov 99	20 mt	Grains and Oils	Electronic	195	77 103
Aluminum	NVMEY	LIS	May 00	Nov 00		Matala	Electionic	195	27 256
Enteners Hash	NYMEX		Iviay-99	Nov-99	726 March	Frances	Dath	195	54 164
Electricity	NIMEA	05	Jui-98	NOV-99	/30 MWn	Energy	Both	180	54,164
Kilo Gold	CBOT	US	Apr-83	Nov-99	1 gross kg. (32.15 troy oz)	Metals	Out-cry	180	71,826
Corn	BCE	Hungary	Jan-89	Nov-99	20 mt	Grains and Oils	Out-cry	178	197,903
Propane	NYMEX	US	Aug-87	Nov-99	42,000 gallons (1 000 US barrels)	Energy	Both	173	200,306
Live Hee	NWN	Natharlanda	Ion 85	Nev 00	(1,000 05 041013)	Livestock	Out on	165	215 200
Live nog		China	Jan-65	N0v-99		Civilian and Oile	Dut-Cry	105	213,299
	SHFE DevieD	Emma	Juli-95	Mai-99	50	Grains and Oils	Electronic	104	93,932
Corn	ParisB	France	Oct-99	Nov-99	50 metric tons	Grains and Oils	Electronic	152	6,073
Oat	WCE	Canada	Jan-04	Nov-99	20/100 metric tonne board lot	Grains and Oils	Out-cry	140	42,650
Wool Yarn	TOCOM	Japan	Apr-84	Feb-99	500 kg.	Food and Fiber	Out-cry	110	26,288
Potato (in bulk)	LIFFE	England	Jun-80	Nov-99		Food and Fiber	Out-cry	107	106,005
Live Cattle	MIDAM	US	Sep-78	Nov-99	20,000 lbs.	Livestock	Out-cry	105	84,255
ISR Soybean	Rosario	Argentina	Nov-93	Apr-99	25 Metric Tons	Grains and Oils	Out-cry	99	116,844
Wheat (Trigo)	MAT	Argentina		Nov-99		Grains and Oils	Out-cry	95	110,144
Lean Hog	MIDAM	US	Sep-97	Nov-99	20.000 lbs.	Livestock	Out-cry	94	46.891
Sovbean Oil	MIDAM	US	Ian-95	Nov-99	30000lb	Grains and Oils	Out-cry	94	102 291
Soybeans (Soia)	МАТ	Argenting	vui yo	Nov-99	5000010	Grains and Oils	Out-cry	87	111 310
Fluid & BED Milk	CME	US	Ian 06	Nov 99	200.000 lbs	Food and Fiber	Out-cry	85	74 558
Com (Moig)	MAT	Arcontino	Jan-90	Nov-99	200,000 lbs.	Croims and Oils	Out-cry	81	101 202
Com (Maiz)		Argentina	G 05	NOV-99	2701		Out-cry	81 76	101,295
Sugar Crystal	BM&F	Brazii	Sep-95	Nov-99	270 bags	Food and Fiber	Out-cry	/6	70,913
(Girasol)	MAT	Argentina		Nov-99		Grains and Oils	Out-cry	74	93,777
Yellow Maize	SAFEX	South Africa	Feb-96	Nov-99	100 Ton	Grains and Oils	Electronic	72	60,921
100 Oz. Gold	CBOT	US	Sep-87	Apr-99	100 troy oz	Metals	Out-cry	68	1,164
NY Gold	MIDAM	US	Jun-84	Nov-99	33.2 fine troy oz.	Metals	Out-cry	67	82,661
Soybean	BM & F	Brazil	Oct-95	Nov-99	27 metric tons related to 470 units	Grains and Oils	Out-cry	66	61,183
Com	BM & F	Brazil	Nov-96	Nov-99	60 kg	Grains and Oils	Out-cry	65	41 639
Natural Gas	IPE	England	1107 90	Nov-99	1 000 Therms	Energy	Electronic	62	6 245
Porlay	LIEFE	England	Jun 64	Nov 00	1,000 Therms	Croins and Oils	Outory	60	62 099
Darrey	LIFFE	England	Juii-04	Nov-99	100 metric tons	Grains and Oils	Out-cry	60 59	05,088
Durum wheat	MGE	05	Feb-98	Nov-99		Grains and Oils	Out-cry	58	24,891
1 obacco	CCE	Banamas	1996	Nov-99		Food and Fiber	Electronic	55	30,242
Hog	WTB	Germany	Apr-98	Nov-99		Livestock	Electronic	54	21,013
NY Silver	MIDAM	US	Nov-82	Nov-99	1000 troy oz.	Metals	Out-cry	52	65,370
Banana	CCE	Bahamas	1996	Nov-99		Food and Fiber	Electronic	52	28,748
NBSK Pulp	PULPEX	England	May-97	Nov-99	£ 24	Food and Fiber	Electronic	52	29,520
Cotton	BM & F	Brazil	Nov-96	Nov-99	28,108.65 pounds	Food and Fiber	Out-cry	51	34,373
Feed Peas	WCE	Canada	Nov-95	Apr-99		Grains and Oils	Out-cry	44	39,260
Greasy Wool (deliverable)	SFE	Australia	Mar-95	Nov-99	2,500 kg.	Food and Fiber	Electronic	43	46,414
Wheat	WTB	Germanv	Feb-99	Nov-99	50 metric tonnes	Grains and Oils	Electronic	38	7.581
Euro Wheat	BCOE	Hungary	Aug-97	Apr-99	20 mt	Grains and Oils	Out-crv	36	19,198
White Wheat	MGE	US	Sep-84	Nov-99	5 000 bushels	Grains and Oils	Out-cry	35	65 308
Black Seed	BCE	Hungary	Jan 02	Nov 99	20 mt	Grains and Oils	Out-cry	34	30 721
Wheat	SEE	Australia	Mor 06	Nov 00	20 mi	Grains and Oils	Electronic	24	26 807
Sovbean Meal	MIDAM	LIS	Jan-86	Nov-99	20 tons	Grains and Oils	Out-cry	34	68 885
(New)			541-00	100-33	20 10115		Out-cry		00,005
Fuel Oil	IPE	England	Sep-99	Nov-99		Energy	Electronic	32	1,892
Oat	MIDAM	US	Oct-22	Nov-99	1000 bushels	Grains and Oils	Out-cry	30	26,703
BFP Milk	NYBT	US	Apr-97	Nov-99	1,000 X BFP	Food and Fiber	Out-cry	29	17,393
Field Peas	WCE	Canada	Apr-99	Nov-99		Grains and Oils	Out-cry	28	4,445
Potato	WTB	Germany	Apr-98	Nov-99		Food and Fiber	Electronic	25	8,806
NSW Electricity	SFE	Australia	Sep-97	Nov-99	500 Megawatt hours (Mwh)	Energy	Electronic	23	11,204
Rapeseed	WTB	Germanv	Oct-99	Nov-99	50 metric tonnes	Grains and Oils	Electronic	22	863
Frozen Con, Orange Juice Differential	NYBT	US	Oct-99	Nov-99	Spread between FCOJ2/FCOJ	Food and Fiber	Out-cry	20	786
Refined Sugar	KANEY	Ianan	Jan-82	Nov-90	20 000 kos	Food and Fiber	Electropic	20	13 206
Food Borloy	BCE	Hungory	Jan 01	Nov 00	20,000 kgs.	Grains and Oila	Out on	10	20.200
recu barrey	DCE	nungary	Jan-91	1107-99	20 III	Oranis and Offs	Out-Cry	19	20,804

Large BFP Milk	NYBT	US	Apr-99	Nov-99	2,000 x BFP	Food and Fiber	Out-cry	19	3,085
PJM Electricity	NYMEX	US	Mar-99	Nov-99	736 Mwh	Energy	Both	18	3,181
Feed Wheat	BCOF	Hungary	Ian-89	Nov-99	20 mt	Grains and Oils	Out-cry	17	19 324
Staple Fiber (Dull)	OME	Ianan	Apr-83	Mar-99	5000 lbs	Food and Fiber	Out-cry	15	14 877
VIC Electricity	SFE	Australia	Sep-97	Nov-99	500 Megawatt	Energy	Electronic	15	7,446
5 000 Oz Silver	CROT	US	Sep 87	Oct 00	5000 trov oz	Matale	Out on	14	8 013
0.000 OZ. Sliver	CDUI	05	Sep-87	001-99	3000 troy oz.	Ivietais	Out-cry	14	8,915
90% Boneless Beer	CME	US	Jun-97	Apr-99	20,000 Ibs	Livestock	Out-cry	14	8,024
Fresh Pork Bellies	CME	US	May-98	Nov-99	40,000 pds.	Livestock	Out-cry	13	5,079
19-Micron Fine Wool	SFE	Australia	Jan-98	Nov-99		Food and Fiber	Electronic	13	5,708
Refined Sugar	TGE	Japan	May-52	Nov-99	9,000 kg.	Food and Fiber	Electronic	13	13,218
Silver	LME	England	May-99	Nov-99	, 5	Metals	Out-crv	13	1.753
Wheat	SAFEX	South Africa	Nov-97	Nov-99	100 metric tons	Grains and Oils	Electronic	12	5,766
NZ Electricity NI	NZEOE	New Zealand	Nov-96	Nov-99	roo metre tons	Energy	Electronic	12	8 193
Pafined White Sugar	CHUBU	Ianan	Ion 82	Nov 99	9 000 kg	Ecod and Fiber	Out cry	12	6 600
High-Tech Index	OSE	Japan	Jun-98	Nov-99	High-Tech Index	Indices	Electronic	12	4,179
					x 1,000 yen				
Platinum	MIDAM	US	Aug-84	Nov-99	25 fine troy oz.	Metals	Out-cry	12	13,673
Financial Index	OSE	Japan	Jun-98	Nov-99	Financial Index x 1,000 yen	Indices	Electronic	11	3,972
Piglet	NVN	Netherlands	Apr-91	Nov-99		Livestock	Out-cry	11	10,579
Corn	DCE	China		Mar-99		Grains and Oils		11	3,916
Consumer Index	OSE	Japan	Jun-98	Nov-99	Consumer Index x 1.000 ven	Indices	Electronic	8	3,005
Butter	CME	US	Sen-96	Nov-99	, <u>,</u> .	Food and Fiber	Out-cry	8	6 354
Wheat	Deserie	Arcontino	Apr 01	Ann 00	100 Matria Tana	Croims and Oils	Out-cry	3	0,554
Niteau Defined White Coft	KOSAHO	Jaman	Apr-91	Apr-99		Granis and Oils	Electronic	7	6,017
Sugar	KCE	Japan	Jan-62	100-99	9,000 kg.	FOOD and FIDER	Electronic	/	0,009
Corn	Rosario	Argentina	Apr-91	Apr-99	100 Metric Tons	Grains and Oils	Out-cry	7	7,827
Stocker Cattle	CME	US	Nov-98	Nov-99	25,000 pds. of medium frame feeder steers	Livestock	Out-cry	5	946
Soybean	Rosario	Argentina	Apr-91	Mar-99	50 Metric Tons	Grains and Oils	Out-cry	5	200
NSW Peak-Period	SFE	Australia	Mar-99	Nov-99	500 Megawatt	Energy	Both	4	803
Iowa Corn Yield	CBOT	US	Jun-95	Nov-99	Corn yield estimate x \$100	Grains and Oils	Out-cry	4	4,477
Pork Cutout	CME	US	Ion 00	San 00	40.000 pds	Livestock	Out on	4	027
Cheddar Cheese	CME	US	Oct-97	Sep-99 Sep-99	40,000 pds. 40,000 lbs in 40-	Food and Fiber	Out-cry	4	1,907
					ID DIOCKS				
Sunflower Seed Orient Strand Board	SAFEX CME	South Africa US	Jan-99 Nov-96	Nov-99 Nov-99	50 Metric tons	Grains and Oils Food and Fiber	Electronic Out-cry	3 3	697 2,149
Lumber									
VIC Peak-Period Electricity	SFE	Australia	Mar-99	Nov-99	500 Megawatt hours (Mwh)	Energy	Both	3	551
White Shrimp	MGE	US	Jul-93	Nov-99	5.000 pds.	Food and Fiber	Out-crv	3	1.917
Atlanta HDD	CME	US	Sep-99	Nov-99	\$100 x Index	Indices	Electronic	3	157
23-Micron Broad	SFE	Australia	Jan-98	Nov-99	+	Food and Fiber	Electronic	3	1,068
WOUL	Deal D	Em	0 - 00	N. 00	50	Casia 1 Cit	Flast	~	
European Rapeseed	ParisB	France	Oct-99	Nov-99	50 metric tons	Grains and Oils	Electronic	2	92
Sunflower	Rosario	Argentina	Apr-91	Feb-99	50 Metric Tons	Grains and Oils	Out-cry	2	1,567
Rubber SS3	SICOM	Singapore	Sep-93	Nov-99	500 X Index	Food and Fiber	Electronic	2	2,186
Rapeseed	BCE	Hungary	Oct-99	Nov-99		Grains and Oils	Out-cry	2	69
Black Tiger Shrimp	MGE	US	Nov-94	Nov-99	5,000 pds.	Food and Fiber	Out-cry	2	1,793
U.S. Corn Yield	CBOT	US	Jan-96	Oct-99	Corn yield estimate x \$100	Grains and Oils	Out-cry	1	1,245
Frozen Con, Orange Juice 2	NYBT	US	Oct-99	Nov-99	15,000 pds. orange solids	Food and Fiber	Out-cry	1	52
Rapemeal	WTB	Germany	Oct-99	Nov-99	50 metric tonnes	Grains and Oils	Electronic	1	47
Cincinnati HDD	CME	US	Sep-99	Nov-99	\$100 x Index	Indices	Electronic	1	70
Live Hog II	BCE	Hungary	Jan 01	Nov 99	5 000 kg	Livestock	Out cry	1	08/
TC Electricity On	MGE	Tungary	San 00	Nov 00	736 Mark	Energy	Out or	1	204
Peak	MGE	03	Sep-98	100-99	/30 1/11/11	Energy	Out-cry	1	231
Live Hog I.	BCE	Hungary	Jan-91	Nov-99	5,000 kg	Livestock	Out-cry	1	782
TVA Hub Electricity	CBOT	US	Sep-98	Jan-99	1,680 MWh	Energy	Electronic	1	181
Cape Wheat	SAFEX	South Africa	Feb-99	Nov-99	100 Metric tons	Grains and Oils	Electronic	0	92
Chicago HDD	CME	US	Sep-99	Nov-99	\$100 x Index	Indices	Electronic	0	20
Sovbean Meal	BCE	Hungary	Oct-99	Nov-99		Grains and Oils	Out-crv	0	11
Illinois Corn Yield	CBOT	US	Jan-96	Aug-99	Corn yield estimate x \$100	Grains and Oils	Out-cry	0	251
Rapeoil	WTB	Germany	Oct-99	Nov-99	50 metric tonnes	Grains and Oils	Electronic	0	9

Ohio Corn Yield	CBOT	US	Jan-96	Jul-99	Corn yield estimate x \$100	Grains and Oils	Out-cry	0	125
Western Natural Gas Index	KCBT	US	Jun-99	Jun-99		Energy	Out-cry	0	3
Coal	NYMEX	US		Nov-99	37,200 British Thermal Units of Coal	Energy		0	0
Cocoa (30,000#)	NYBT	US		Nov-99		Food and Fiber	Out-cry	0	0
Cotton	ICE	Turkey		Nov-99		Food and Fiber		0	0
Domestic Soybean	KGE	Japan	N/A	Nov-99	2,400 kg.	Grains and Oils	Electronic	0	0
Electricity Block	Nordpol	Sweden		Nov-99	168 Mwh	Energy	Electronic	0	0
Electricity Season	Nordpol	Sweden		Nov-99	168 Mwh	Energy	Electronic	0	0
Electricity Weekly	Nordpol	Sweden		Nov-99	168 Mwh	Energy	Electronic	0	0
Gold (New: 33.2 oz.)	MIDAM	US		Nov-99		Metals	Out-cry	0	0
Gold (Old: 1 Kg)	MIDAM	US		Nov-99		Metals	Out-cry	0	0
Live Cattle	FutureCom	US		Nov-99		Livestock	Electronic	0	0
MAPP Electricity	MGE	US		Nov-99		Energy	Out-cry	0	0
Metals Index	LME	England		Nov-99		Metals	Out-cry	0	0
PJM Electricity	CBOT	US		Nov-99	1,680 MWh	Energy	~	0	0
Potato Starch	CHUBU	Japan	N/A	Nov-99	2,500 kg.	Food and Fiber	Out-cry	0	0
Potato Starch	KCE	Japan		Nov-99	2,500 kg.	Food and Fiber	Out-cry	0	0
Recyclable Paper	WIB	Germany		Nov-99	100 metric tonnes	Food and Fiber	Electronic	0	0
Wheat	WGI	Poland		Nov-99	10.	Grains and Oils	F1 / 1	0	0
Peanut Der Wheee	CZCE	China	Apr-98	Dec-98	10 tonnes	Food and Fiber	Electronic	60	21,562
Dry wney Non Est Day Mills	CME	US	Nov-98	Nov-98	44,000 pds.	Food and Fiber	Out-cry	0	0
Non-Fat Dry Milk	EICA	US India	Nov-98	Nov-98	44,000 pds.	Food and Fiber	Out-cry	0	0
Cotton Soubson Maal	CZCE	Chino	Nov-98 Mov 07	Nov 08		Groins and Oils	Flootronio	526	221.020
Novel Orange	EC&M	Spain	Sep 95	Nov 98	5 mt	Ecod and Eiber	Electronic	124	96 380
50% Beef Trimming	CME	Span	Jup 97	Nov 98	20.000 lbs	Livestock	Out cry	124	5 831
Cheddar Cheese	NYBT	US	Jun-93	Nov-98	40,000 nds	Ervestock Food and Fiber	Out-cry	3	2 155
Sweet Potato Starch	CHUBU	Japan	Jan-82	Nov-98	2,500 kg.	Food and Fiber	Out-cry	0	167
Com Ed Hub Electricity	CBOT	US	Sep-98	Nov-98	1,680 MWh	Energy	Electronic	0	88
TC Electricity Off Peak	MGE	US	Sep-98	Sep-98	736 Mwh	Energy	Out-cry	0	0
Plawood	SHEE	China		Sep 08		Food and Fiber	Electronic	134 764	124 630 888
Copper	COCE	China		Sep-98		Metals	Electronic	1 580	1 106 799
Sovhean	SHEE	China		Sep-98		Grains and Oils	Electronic	671	383 440
Sour Crude Oil	NYMEX	US	Feb-92	Sep-98	1,000 US barrels	Energy	Out-cry	13	1
Milk	NYBT	US	Dec-95	Sep-98	1 Non-fat Dry Milk futures	Food and Fiber	Out-cry	7	5,760
					contract				
Potato	NYBT	US	Sep-96	Sep-98		Food and Fiber	Out-cry	2	1,296
Aluminum	TUFE	China		Aug-98		Metals		3,022	1,055,136
Copper	TUFE	China		Aug-98		Metals		30	16,746
Greenbean	Beijing	China	Apr-94	Aug-98	10 tonnes	Food and Fiber	Electronic	163,987	143,903,102
Coffee	CCFE	China		Aug-98		Food and Fiber	Electronic	85,138	61,291,900
Rubber	CCFE	China		Aug-98		Food and Fiber	Electronic	48,617	39,100,415
Ked Bean	TUFE	China		Aug-98		Grains and Oils	Electronic	28,520	2 807 422
Soydean Mean	SVCE	China		Aug-98		Grains and Oils	Electronic	0,189	3,697,432
Palm Oil	CCFE	China		Aug-98		Grains and Oils	Electronic	4,563	3 955 364
Copper	SME	China		Aug-98		Metals	Out-cry	3 4 5 9	2 215 145
Aluminum	SME	China		Aug-98		Metals	Out-cry	3 082	2,213,143
Sorghum	SYCE	China		Aug-98		Grains and Oils	outery	2,787	745 708
Sorghum	CUFE	China		Aug-98		Grains and Oils		1.512	289,994
Soybean Meal	SCE	China		Aug-98		Grains and Oils	Electronic	1,429	400,157
Gold 1 Kg. U.S. Dollar Denominated	BM & F	Brazil	Aug-93	Aug-98	1 kg.	Metals	Out-cry	875	1,023,515
Copper	SYCE	China		Aug-98		Metals		392	300,348
Malty Barley	CCFE	China		Aug-98		Grains and Oils	Electronic	280	218,220
Wheat (Old)	ParisB	France	Jul-96	Aug-98		Grains and Oils	Out-cry	36	20,360
Peanut	Beijing	China	Dec-95	Aug-98	4 tonnes	Food and Fiber	Electronic	14	7,588
Cocoa	CCFE	China		Aug-98		Food and Fiber	Electronic	8	5,568
Non-Fat Dry Milk	NYBT	US	Jun-93	Aug-98	44,000 pds.	Food and Fiber	Out-cry	2	875
Nebraska Corn Yield	CBOT	US	Jan-96	Aug-98	Corn yield estimate x \$100	Grains and Oils	Out-cry	0	56
Indiana Corn Yield	CBOT	US	Jan-96	Aug-98	Corn yield estimate x \$100	Grains and Oils	Out-cry	0	47

C	D ····	C1 ·	D 02	4 00	10.	G · 101	F1 / ·	0	0
Com	Beijing	China	Dec-93	Aug-98	10 tonnes	Grains and Oils	Electronic	0	0
Red Bean	Beijing	China		Aug-98		Grains and Oils	Electronic	0	0
Sovhean	Beijing	China		A110-98		Grains and Oils	Electronic	0	0
Cusin	COLLE	China		Aug 90		Cusing and Oils	Electronic	0	0
Grain	CCHE	China		Aug-98		Grains and Oils	Electronic	0	0
Soybean	CCHE	China		Aug-98		Grains and Oils	Electronic	0	0
Com	CLIFE	China		A110-98		Grains and Oils		0	0
	CUEE	Clinia Cli		1 00				0	0
Long Grain Rice	CUFE	China		Aug-98		Grains and Oils		0	0
Red Wheat	CUFE	China		Aug-98		Grains and Oils		0	0
Com	CZCE	China		Aug 09		Crains and Oils	Flastronia	0	0
Com	CZCE	China		Aug-98		Grains and Ons	Electronic	0	0
Red Bean	SCE	China		Aug-98		Grains and Oils	Electronic	0	0
Com	SHEE	China		Δ110-98		Grains and Oils	Electronic	0	0
Com	SILL	Clina		Aug-90			Electronic	0	0
Greenbean	SHFE	China		Aug-98		Grains and Oils	Electronic	0	0
Malting Barley	SHFE	China		Aug-98		Grains and Oils	Electronic	0	0
De dhe en	CLIER.	China		A		C	El	ő	0
Redbean	SHFE	China		Aug-98		Grains and Oils	Electronic	0	0
White Wheat	SHFE	China		Aug-98		Grains and Oils	Electronic	0	0
Soubean	THEE	China		Aug 08		Grains and Oils		0	0
Soybean	TUL	Ciina		Aug-90			-	0	0
Plywood	Beijing	China	Mar-94	Aug-98	400 pieces	Food and Fiber	Electronic	0	0
Forestry Product	CCHE	China		A119-98		Food and Fiber	Electronic	0	0
	CCIE	Clinia Cl.:		1105 90			Electronic	0	0
Plywood	CZCE	China		Aug-98		Food and Fiber	Electronic	0	0
Tianjin Plywood	TUFE	China		Aug-98		Food and Fiber		0	0
Bolumronulano	Doiiing	China	Dec 02	Aug 08	10 topped	Other	Electronic	0	0
Polypropylene	Deijing	China	Dec-95	Aug-98	10 tonnes	Other	Electronic	0	0
Sodium Carbonate	Beijing	China	Mar-94	Aug-98	10 tonnes	Other	Electronic	0	0
Aluminum	Reijing	China		Δ110-98	25 tonnes	Metals	Electronic	0	0
~	Deijing	ciina		Aug-90	25 tonnes	Nictais	Licenonie	0	0
Copper	Beijing	China	Feb-93	Aug-98	25 tonnes	Metals	Electronic	0	0
Cast Iron	TUFE	China		Aug-98		Metals		0	0
Courts Inco	TUEE	China		A		Matala		ő	0
Crude Iron	TUFE	China		Aug-98		Metals		0	0
Valencia Orange	FC&M	Spain	Feb-96	Jul-98	5 mt.	Food and Fiber	Electronic	106	86,960
White Sugar (100)	ParisB	France	Jun-97	Ju1_98	50 metric tons	Food and Fiber	Out-cry	23	8 4 5 1
White Bugar (100)	r ans	i iaice	Jun-97	Jui-Jo	50 metric tons		out-cry	25	0,701
Plywood	SCE	China		Jun-98		Food and Fiber	Electronic	115,048	97,531,341
Feed Barley	MGE	US	Jul-96	May-98	180.000 lbs	Grains and Oils	Out-crv	2	1.052
Deheete	SICOM	G	I 05	M 00	10	E I I El	Electronic	20	20,001
Kobusta	SICOM	Singapore	Jan-95	May-98	TOmt	Food and Fiber	Electronic	32	29,081
Nickle	SHFE	China		Mar-98		Metals	Electronic	3	1,554
Corobum	Docorio	Arcontino	Nov 05	Mor 08	50 Matria Tona	Crains and Oils	Out on	1	122
Sorghuin	Rosano	Aigentina	100-95	Ivia-90	JO WICHIC TOHS		Out-Cry	1	452
Gold (all currencies)	IGE	Turkey	Aug-97	Feb-98	3 kg.	Metals	Electronic	1	211
Maize	BLAGOVNA	Slovenija	Apr-95	Dec-97	25 tons	Grains and Oils	Both	0	14
D 1	DLAGOUNIA	ol	1101 005	Dec 97	25 10115		Dotti	0	11
Barley	BLAGOVNA	Slovenija	Mar-95	Dec-97	25 tons	Grains and Oils	Both	0	0
Live Hog 15,000#	MIDAM	US	Jun-74	Dec-97	20,000 lbs.	Livestock	Out-cry	468	46,896
Aluminum In cot	COCE	China		Dec 07	.,	Matala		17	12.961
Aluminum mgot	LUCE	China		Dec-97		Metals		17	12,801
Butter	NYBT	US	Oct-96	Dec-97		Food and Fiber	Out-cry	2	1,469
Penner	Cochin	India	Nov-97	Nov-97		Food and Fiber	-	0	0
repper	Cocinii	maia	100-57	1(0 <i>V</i> - <i>)</i> /			~	0	0
Lean Cattle	MIDAM	US	Sep-97	Sep-97	20,000 lbs.	Livestock	Out-cry	0	0
TSR20	SICOM	Singapore	May-92	Aug-97	20 MT	Food and Fiber	Electronic	81	70,749
Diaman	CDOT		0.4.01	L-1.07	100	E - d - d Elt -	Ded	0.4	10.675
Diammonium	CBOI	05	Oct-91	Jui-97	100 tons	Food and Fiber	Both	84	10,675
Phosphate									
Anhydrous	CROT	US	Sen-92	In1-97	100 tons_contract	Food and Fiber	Both	17	1 402
A intycrous	CDOI	05	50p-92	Jui-J/		1 000 and 1 1001	Dom	17	1,402
Ammonia					grade				
Fuel Oil	SIMEX	Singapore	Feb-89	Jul-97	100 metric tons	Energy	Out-cry	967	21 322
	NUMER	LIC	0 00	J 1 07	roo metre tono	E	ourory	, ,	2,000
Alberta Natural Gas	NYMEX	US	Sep-96	Jul-9/		Energy		4	2,900
Potato (50mm)	ParisB	France	Nov-87	May-97	20 metric tons	Food and Fiber	Out-cry	95	41,850
Stapla Fiber (Bright)	OME	Ionon	Apr 92	Mor 07	5 000 lbc	Eood and Eibar	Out on	57	6 976
Staple Fiber (Bright)	ONE	Japan	Api-65	Wiai-97	5,000 108.	FOOD and FIDER	Out-cry	57	0,870
U.S.\$ Denominated	BM & F	Brazil	Apr-95	Feb-97	100 bags of 60	Food and Fiber	Out-cry	29	14,001
Arabica Coffee					Kg.				
NADI	CAPEY.	0 4 4 6 1		E 1 07	0.	a · • • • • •	T-1 /	~	•
NABI	SAFEX	South Africa	Aug-96	Feb-97		Grains and Oils	Electronic	0	20
Clementine Orange	FC&M	Spain	Sep-96	Jan-97	5 mt.	Food and Fiber	Electronic	46	23.218
Democian Descin	NVMEN	~ [Mar OC	I 07	10.000 M0.00	F	0	10	0.010
Permian Basin	NIMEA	05	May-96	Jan-97	10,000 MMBtu	Energy	Out-cry	10	8,818
Natural Gas									
White Sugar	NVBT	US	Oct 87	Ian 07	50 metric tons	Food and Fiber	Out on	1	333
white Sugar	NIDI	03	001-07	Jan-97	50 metric tons	FOOD and FIDER	Out-cry	1	555
Live Hog	CME	US	Feb-66	Dec-96	40,000 pds hogs	Livestock	Out-cry	10,175	3,312,770
					(barrow & gilts)				
XX 71 /	NT /N /	N. 4 · ·	N 05	D of		a · • • • • •	0.1		
wneat	IN V IN	Netherlands	May-96	Dec-96		Grains and Oils	Out-cry	4	531
Long Grain Rice	GUFE	China		Nov-96		Grains and Oils	Electronic	2.606	573.259
Smud	SAFEV	South Africa-	Oct 05	Nov 06	1 Top	Eood and Elbert	Flootronio	,	1 045
spuu	SAPEA	South Affica	001-93	1107-90	1 100	roou and Fiber	Electronic	2	1,245
Polyvinyl Chloride	SHFE	China		Nov-96		Other	Electronic	0	0
Zinc	SHEE	China		Sen_06		Metals	Electropic	າ	808
Z.IIIC	SILLE	Cinita	a	3cp-90		aviolals	Electionic	2	000
Crude Palm Kernel	COMMEX M	Malaysia	Oct-92	Jul-96	15 Metric Tons	Grains and Oils	Out-cry	21	0
Oil									
Deef	CAPEN	Court AC.	L-1.05	L-1.07	0	T	El.	~	1 100
веег	SAFEX	South Africa	Jui-95	Jul-96	∠ 1 on	Livestock	Electronic	2	1,120
Gold	REX	Russia	Jan-92	Jul-96	100 grams of pure	Metals	Both	0	198
			-		rold			-	
				_	5014				
Dry Cocoon	MIFE	Philippines	Jul-92	Jun-96	300 kgs.	Food and Fiber	Out-cry	1,136	138,603
Copra	MIFE	Philippines	Feb-88	Jun-96	20 metric tons	Food and Fiber	Out-crv	956	110 812
Copia		r imppines	100-00	Juli-20	20 metre tons		Guildy	950	110,012
	N/111/1/	Philippines	Oct-86	Jun-96	30.000 kg.	Grains and Oils	Out-crv	735	116 864
Soybean	MIFE	rimppines	000		e e,e e eB.			100	110,001

Sugar	MIFE	Philippines	Oct-86	Jun-96	112,000 lbs.	Food and Fiber	Out-cry	707	143,260
Coffee	MIFE	Philippines	Feb-88	Jun-96	5 metric tons	Food and Fiber	Out-cry	665	158,142
Lead	SHFE	China		Jun-96		Metals	Electronic	0	56
BL-55 Flour	BCE	Hungary	Jan-89	Jun-96	5 mt	Grains and Oils	Out-cry	0	49
Aluminum	GUFE	China		Apr-96		Metals	Electronic	1	116
Tin	SHFE	China		Apr-96		Metals	Electronic	0	2
Lumber	CME	US	Oct-69	Mar-96	160,000 bd. ft. of random length 2x4's	Food and Fiber	Out-cry	2,818	192,793
Gold	SIMEX	Singapore	May-90	Mar-96	100 troy oz.	Metals	Out-cry	11	40
Canadian Barley	WCE	Canada	Nov-93	Dec-95	100 metric tonne board lot	Grains and Oils	Out-cry	104	18,473
Structural Panel Index	CBOT	US	Jan-94	Oct-95	100,000 sq. ft pf structural panels	Food and Fiber	Out-cry	16	885
Rye	WCE	Canada	Jan-17	Sep-95	20/100 metric tonne board lot	Grains and Oils	Out-cry	752	104
Wool	SFE	Australia	Jul-86	Sep-95	2,500 kg.	Grains and Oils	Out-cry	5	1,245
Edible Oil Index	CBOT	US	Sep-94	Aug-95	100 metric tons x Int'l Edible Oil Index	Grains and Oils	Out-cry	1	21
Raw Sugar	LIFFE	England	Nov-93	Jun-95		Food and Fiber	Out-cry	96	25,968
Unleaded Gasoline	IPE	England	Jan-92	Jun-95	100 metric tons	Energy	Out-cry	89	3,030
Live Hog III.	BCE	Hungary	Apr-95	Apr-95	5,000 kg	Livestock	Out-cry	0	2
Imported Soybean	HGE	Japan	Jan-82	Mar-95	15,000 kg.	Grains and Oils	Out-cry	1,603	24,912
Red Bean	HGE	Japan	Jan-82	Mar-95	2,400 kg.	Grains and Oils	Out-cry	849	75,501
Gulf Coast Unleaded Gas	NYMEX	US	Sep-92	Mar-95	42,000 gallons (1,000 US barrels)	Energy	Out-cry	8	252
Rough Rice	MIDAM	US	Sep-83	Sep-94	2000 cwt. (200,000 lbs.)	Grains and Oils	Out-cry	216	0
Domestic Soybean	HGE	Japan	Jan-82	Sep-94	2,400 kg.	Grains and Oils	Out-cry	35	0
Dollar/Gold Index	SAFEX	South Africa	Aug-90	Sep-94	price of gold	Metals	Electronic	27	0
White Bean	HGE	Japan	Jan-82	Sep-94	2,400 kg,	Grains and Oils	Out-cry	6	0
Potato Starch	HGE	Japan	Jan-82	Sep-94	2,500 kg.	Food and Fiber	Out-cry	0	0
	HKFE	Hong Kong	Aug-80	Jul-94	100 troy oz.	Metals	Out-cry	66	0
Barge Freight Index	CBOI	US	Oct-92	Jun-94	w/capacity 1500	Indices	Out-cry	0	0
Coffee	ParisB	France	Feb-72	Jun-94	5 metric tons	Food and Fiber	Out-cry	22	0
Live Cattle (cash settled)	SFE	Australia	May-86	May-94	10,000 kg.	Livestock	Both	5	0
Domestic Feed Barley	WCE	Canada	Jan-82	May-94	20/100 metric tons	Grains and Oils	Out-cry	1,720	0
Live Cattle	MERFOX	Argentina	Jul-91	Mar-94	5,000 kg. choice & select steers	Livestock	Out-cry	54	0
Cotlook World Cotton	NYBT	US	Oct-92	Feb-94	50,000 lbs. x futures price	Food and Fiber	Out-cry	43	0
High Protein Soybean Meal	LIFFE	England	Oct-90	Dec-93	20 metric tons	Grains and Oils	Out-cry	67	0
Oat	MGE	US	Oct-88	Dec-93	5,000 bushels	Grains and Oils	Out-cry	5	0
Gasoil	SIMEX	Singapore	Jun-91	Nov-93	1,000 US Barrels	Energy	Out-cry	50	0
Soybean	BM & F	Brazil	Jul-93	Nov-93	30 metric tons	Grains and Oils	Out-cry	1	0
Imported/Chinese Soybean	TGE	Japan	Oct-72	Sep-93	15,000 kg.	Grains and Oils	Electronic	10,028	0
Imported Soybean	KGE	Japan	Jan-82	Sep-93	15,000 kg.	Grains and Oils	Electronic	3,388	0
Red Bean	KGE	Japan	Jan-82	Sep-93	2,400 kg.	Grains and Oils	Electronic	883	0
Imported Soybean	KGE	Japan	Jun-93	Sep-93	30,000 kg.	Grains and Oils	Electronic	819	0
White Bean	KANEX	Japan	May-09	Sep-93	2,400 kg.	Grains and Oils	Electronic	53	0
Potato Starch	KANEX	Japan	Jan-80	Sep-93	2,500 kg.	Food and Fiber	Electronic	5	0
U.S.\$-Denominated Robusta Coffee New	BM & F	Brazil	Apr-93	Sep-93	100 Bags (1 bag=60 kilograms)	Food and Fiber	Out-cry	0	0
Aluminum	NYMEX	US	Feb-83	Jul-93	40,000 lbs.	Metals	Out-cry	343	0
Cocoa	COMMEX M	Malaysia	Aug-88	Jul-93	10 metric tons	Food and Fiber	Out-cry	22	0
RBD Palm Olein	COMMEX M	Malaysia	Feb-90	Jun-93	25 metric tons	Grains and Oils	Out-cry	4	0
Platinum	NYMEX	US	Sep-92	Jun-93	50 troy oz.	Metals	Out-cry	27	0
Paladium	NYMEX	US	Sep-92	Jun-93	100 troy oz.	Metals	Out-cry	1	0
Lamb	LIFFE	England	Sep-91	Jun-93	1000 kgs.	Livestock	Out-cry	2	0
Raw Sugar	LIFFE	England	Aug-85	Apr-93	50 metric tons	Food and Fiber	Both	2,922	0
Broilers - OLD	CME	US	Nov-79	Jan-93		Food and Fiber	Out-cry	94	0
U.S.\$-Denominated Robusta Coffee	BM & F	Brazil	Mar-92	Jan-93	100 bags (1bag = 60kg.)	Food and Fiber	Out-cry	5	0

Stud Lumber	CME	US	Nov-77	Jan-93		Food and Fiber	Out-cry	5	0
Potatos	CME	US	Jan-31	Jan-93		Food and Fiber	Out-cry	5	0
Fresh Eggs	CME	US	Dec-19	Jan-93		Food and Fiber	Out-crv	4	0
Oat (5 000 Bu)	MIDAM	US		Dec 92		Grains and Oils	Out cry	10	0
UCC Demonstrated		05 D1	L 02	Dec-92	22 V1401-	L'ans alle Olis	Out-cry	10	0
Calf	DIVI & F	DIAZII	Jun-92	Dec-92	calves	LIVESTOCK	Out-cry	7	U
U.S.\$-Denominated Cotton	BM & F	Brazil	Sep-91	Dec-92	28, 108.65 pounds	Food and Fiber	Out-cry	0	0
Gold - 1kg.	NYMEX	US	Dec-74	Dec-92		Metals	Out-crv	0	0
Potato	NYMEX	US		Nov-92		Food and Fiber	Out-cry	745	0
Imported Lean Beef	NYMEY	US		Nov 92		Livestock	Out cry	57	0
	INTREA	US Uses Kana	A 90	0+ 02	112 000 11-	Elvestock	Out-cry	966	0
Sugar	HKFE	Hong Kong	Apr-80	Oct-92	112,000 lbs.	Food and Fiber	Out-cry	800	U
Tin	COMMEX M	Malaysia	Oct-87	Oct-92	5 metric tons	Metals	Out-cry	36	0
Brazil Diff Coffee	NYBT	US	Jun-92	Sep-92	37,500 pds.	Food and Fiber	Out-cry	1	0
NZ Crossbred Wool (New) (WFC)	NZFOE	New Zealand	May-91	Sep-92	(2,500 kg.x NZWool Bd. Strong Segmt. Ind.)NZ\$	Food and Fiber	Electronic	2	0
Broilers - NEW	CME	US	Feb-91	Jul-92	40,000 pds. broiler chicken	Livestock	Out-cry	10	0
Naphtha	IPE	England	Apr-91	May-92	101 metric tons	Energy	Out-cry	96	0
Coffee (Robusta)	LIFFE	England	Jan-82	Mar-92	5 metric tons	Food and Fiber	Out-cry	4 521	0
MGMI	LIFFE	England	Jun-90	Mar-92	\$100 x MGMI Index	Livestock	Both	313	0
Sovbean	HKFE	Hong Kong	Nov-79	Mar-92	500.60 kg bags	Grains and Oils	Out-cry	1 902	0
Correct	DorioD	Erongo	Ion 62	Mar 02	10 matria tons	Ecod and Eibar	Out ory	1,702	0
	raisb		Jan-02	Niai-92			Out-cry	27	0
Arabica Coffee	LIFFE	England	Mar-91	Feb-92	37,500 lb.	Food and Fiber	Both	14	0
Dubai Crude Oil	SIMEX	Singapore	Jun-90	Jan-92	1,000 barrels	Energy	Out-cry	25	0
Rough Rice (New)	MIDAM	US	Aug-86	Dec-91		Food and Fiber	Out-cry	174	0
Grain Sorghum	KCBT	US	May-89	Nov-91	N/A	Grains and Oils	Out-cry	18	0
International Rice	LIFFE	England	Nov-90	Nov-91	50 metric tons	Food and Fiber	Both	5	0
Rice	LIFFE	England	Nov-90	Nov-91	50 metric tons	Food and Fiber	Out-cry	0	0
Commercial	LIFFE	England	May-91	Oct-91	f 500 x index	Other	Both	52	0
Property		Engrand	Wiay-91	001-91		omer	bom	52	
Residential Property	LIFFE	England	May-91	Oct-91	£500 x index	Other	Both	27	0
Commercial Rent	LIFFE	England	May-91	Oct-91	£500 x index	Other	Both	5	0
U.S.\$- Denominated Soybean	BM & F	Brazil	Jun-90	Sep-91	500 bags	Grains and Oils	Out-cry	0	0
Coffee	BM & F	Brazil	Mar-86	Sep-91	100 bags	Food and Fiber	Out-cry	6	0
Cotton	BM & F	Brazil	May-91	Aug-91	850 net arrobas	Food and Fiber	Out-cry	2	0
Euro Diff Coffee	NVRT	US	Apr 91	Jun 01	37 500 lbs	Food and Fiber	Out cry	0	0
Zine (he)	IME	US England	Api-91	Jun-91	37,300 IDS.	Matala	Out-cry	4 497	0
Zinc (ng)	LME	England	Jan-85	Jun-91	25 metric tons	Metals	Out-cry	4,487	U
Gold	BM & F	Brazil	Jan-85	May-91	250 grams	Metals	Out-cry	1,308	0
Live Cattle	BM & F	Brazil	Jan-85	May-91	330 arrobas	Livestock	Out-cry	959	0
Potatoe	LIFFE	England	Jan-82	May-91	20 metric tons	Food and Fiber	Out-cry	802	0
Arabic Coffee	BM & F	Brazil	Jan-85	May-91	100 60-kg. bags	Food and Fiber	Out-cry	603	0
Robusta Coffee	BM & F	Brazil	Jan-93	May-91	100 60-kg bags	Food and Fiber	Out-cry	29	0
Soubean	BM & F	Brazil	Mar 86	May 01	30 metric tons	Grains and Oils	Out cry	16	0
Dubai Saur Cruda	DIVI & I	England	Ivia=00	May 01	1 000 hormolo		Out-cry	10	0
Oil	IPE	England	Jui-90	May-91	1,000 barrels	Energy	Out-cry	12	U
Feeder Cattle	BM & F	Brazil	Jan-91	May-91	27 heads	Livestock	Out-cry	0	0
Corn	BM & F	Brazil	N/A	May-91	60 metric tons	Grains and Oils	Out-cry	0	0
Soybean Meal	BM & F	Brazil	N/A	May-91	25 metric tons	Grains and Oils	Out-cry	0	0
Sovbean Oil	BM & F	Brazil	N/A	May-91	12.5 metric tons	Grains and Oils	Out-crv	0	0
Potato (40mm)	ParisB	France	Nov-87	Feb-91	20 metric tons	Food and Fiber	Out-cry	1	0
Cold (250g)	DM & E	Drozil	Mor 86	Feb 01	250 grama	Motolo	Out ory	205	0
	LIFFE		Wiai-80	1-60-91	200 granis		Out-cry	203	0
Soybean Meal	LIFFE	England	Jan-82	Nov-90		Grains and Oils	Out-cry	244	0
International Rubber	LIFFE	England	May-90	Nov-90	10.08 metric tons	Food and Fiber	Both	16	Û
Heavy Fuel Oil	IPE	England	Oct-86	Sep-90	100 metric tons	Energy	Out-cry	14	0
Brazilian Coffee	BM & F	Brazil	Aug-88	Jul-90	100 bags	Food and Fiber	Out-cry	5	0
Rubber	LIFFE	England	May-90	Jun-90		Food and Fiber	Out-cry	35	0
Malaysian Rubber (std,20MT,10MT)	COMMEX M	Malaysia	Mar-86	Jan-90	10 metric tons	Food and Fiber	Out-cry	6	0
Copper	NYMEX	US	Jul-33	Dec-89	25.000 nds	Metals	Out-crv	9719	0
Residual Fuel Oil	NYMEX	US	Oct-89	Dec-89	1,000 bbl (42,000	Energy	Out-cry	9	0
Class	EV	E . 1		N 00	ganons)	Read 1771	El.	^	~
Glass	EX	England		Nov-89		Food and Fiber	Electronic	0	0
Paper	EX	England		Nov-89		Food and Fiber	Electronic	0	0
Plastic	EX	England		Nov-89		Food and Fiber	Electronic	0	0
Recovery	EX	England		Nov-89		Food and Fiber	Electronic	0	0
Aluminum	EX	England		Nov-89		Metals	Electronic	0	0
Steel	EX	England		Nov-89		Metals	Electronic	ñ	0
				1.01-07			Licentonic	5	0

Live Cattle	BM & F	Brazil	May-87	Oct-89	4950 kgs.	Livestock	Out-cry	20	0
Gold (COMEX linked)	SFE	Australia	Nov-86	Oct-89	0	Metals	Out-cry	12	0
Dropopo	NVPT	US		San 80		Enormy	Out on	57	0
Fiopale	LIEFE	US	Ine 96	Sep-69	5 000 ha	Linergy	Out-cry	57	0
Live Calle		England	Juli-80	Sep-89	5,000 kg.	Ered and Eiler	Out-cry	1	0
settled)	LIFFE	England	FeD-80	Jui-89	40 metric tons	Food and Fiber	Out-cry	9	0
Silver (10,000 oz.)	LME	England	Jan-83	May-89	10,000 oz.	Metals	Out-cry	467	0
Silver (2,000 oz.)	LME	England	Nov-83	May-89	2,000 oz.	Metals	Out-cry	2	0
Aluminium (99.5%)	LME	England	Jan-83	Dec-88	25 metric tons	Metals	Out-cry	5,787	0
Copper (std)	LME	England	Apr-86	Dec-88	25 metric tons	Metals	Out-cry	37	0
High Fructose Corn	MGE	US	Apr-87	Nov-88		Food and Fiber	Out-crv	14	0
Syrup			1						
NZ Crossbred Wool (NZW)	NZFOE	New Zealand	Oct-85	Aug-88		Food and Fiber	Electronic	102	0
Freight Rate Index	IFE	Bermuda	May-85	Jul-88	unavailable	Indices	Out-cry	225	0
100 Oz. Gold	CME	US		Jun-88		Metals	Out-cry	5 277	0
Gold - London	CME	US	Jun-87	Jun-88		Metals	Out-cry	0	Ő
Delivery	CINE	00	Juli 07	Juli 00		Wietuis	outery	0	0
Cold NV Dolivory	CME	US	Son 97	Jun 99		Motolo	Out on	0	0
Gold - N. I. Delivery	UME	US Cara da	Sep-87	Juli-00	200	Metals	Out-cry	0	0
Silver	WCE	Canada	Jan-82	Jan-88	200 oz.	Metals	Out-cry	9	0
Cotton	BM&F	Brazil	Jan-86	Jan-88	500 arrobas	Food and Fiber	Out-cry	2	0
Gold	WCE	Canada	Jan-82	Jan-88	20 oz.	Metals	Out-cry	2	0
Live Hog	BM & F	Brazil	Sep-87	Dec-87	8,000 net kg.	Livestock	Out-cry	10	0
Premium Leaded Gasoline	IPE	England	Oct-86	Dec-87	100 metric tons	Energy	Out-cry	6	0
Cocoa	BM & F	Brazil	Ian-87	Nov-87	50 60-kg bags	Food and Fiber	Out-cry	10	0
Broilers	BM & F	Brazil	Mor 87	Sep 87	12 metric tons	Livestock	Out-cry	61	0
Common	MIDAM	LIS	Nov 84	Aug 97	12 metric tons	Matala	Out-cry	16	0
Copper	MIDAM	05	Nov-84	Aug-8/	0.500.1	Metals	Out-cry	10	0
(deliverable)	SFE	Australia	May-60	Jul-8/	2,500 kg.	Food and Fiber	Out-cry	12	0
Soybean Meal (old)	MIDAM	US	Apr-85	Jun-87	20 tons (40,000 lbs.)	Grains and Oils	Out-cry	61	0
Potato (Cash Settlement)	NYMEX	US	Jun-83	Apr-87		Food and Fiber	Out-cry	97	0
Pig	LIFFE	England	Jun-86	Apr-87	3,250 kg.	Livestock	Out-cry	26	0
New Zealand Wheat (WHT)	NZFOE	New Zealand	Jun-86	Apr-87	, ,	Grains and Oils	Electronic	2	0
Pigmeat	LIFFE	England	Mar-84	Mar-87		Food and Fiber	Out-cry	90	0
Palm Kernel	COMMEX M	Malaysia	Dec-86	Jan-87		Food and Fiber	Out-cry	1	Ő
Connor High Grada	MIDAM	US	Lup 86	Dag 86		Motolo	Out-ory	7	0
Copper Trigh Orade	MIDAM	US	Jun-80	Dec-00		Food and Eihan	Out-cry	7	0
Dubb an (15 to no)		US England	Jan-65	Dec-80	15	Food and Fiber	Out-cry	150	0
Rubber (15 tons)	LRIMA	England	Jan-82	Dec-86	15 tons	Food and Fiber	Out-cry	150	0
Rubber (5 tons)	LRTMA	England	Jan-82	Dec-86	5 tons	Food and Fiber	Out-cry	8	0
Leaded Regular Gasoline, N,Y.	NYMEX	US	Oct-81	Oct-86		Energy	Out-cry	4,149	0
Sugar #12	NYBT	US		Oct-86		Food and Fiber	Out-cry	41	0
Live Pig	LIFFE	England	Apr-85	Oct-86		Food and Fiber	Out-cry	1	0
Sugar (\$,CIF)	LIFFE	England	Jun-83	Sep-86		Food and Fiber	Out-cry	2,148	0
Raw Sugar	KCE	Japan	Aug-86	Sep-86	10,000 kg.	Food and Fiber	Electronic	7	0
Trade Steers (deliverable)	SFE	Australia	Jul-75	Aug-86	10,000 kg.	Livestock	Out-cry	180	0
Beef	LIFFE	England	Feb-86	Aug-86	N/A	Livestock	Out-crv	7	0
White Beans	CHUBU	Ianan	Ion 82	Jul 86	2 400 kg	Grains and Oils	Out cry	18	0
Common (ha)	LME	Japan England	Jan-02	Jun 96	2,400 kg.	Matala	Out-cry	5 605	0
Copper (lig)	LME	Eligiand	Jan-85	Juli-80	25 metric tons	Metals	Out-cry	3,093	0
Copper Cathodes	LME	England	Jan-83	Jun-86		Metals	Out-cry	94	0
Gold	SFE	Australia	Apr-78	Mar-86	100 troy oz.	Metals	Out-cry	95	0
Gold	IFE	Bermuda	Oct-84	Jan-86	unavailable	Metals	Out-cry	159	0
Silver	SFE	Australia	Oct-81	Dec-85		Metals	Out-cry	35	0
Refinded Sugar	MIDAM	US	Oct-82	Oct-85		Food and Fiber	Out-cry	51	0
Silver (1,000 oz.)	MIDAM	US		Jul-85		Metals	Out-cry	3	0
Gold Bullion	CME	US	Dec-74	Jul-85	100 oz. Gold	Metals	Out-cry	1,116	0
Domestic Sovbean	TGE	Japan	Jan-82	Mav-85	2,400 kg	Grains and Oils	Electronic	3	0
Fat Lamb (Revised)	SFE	Australia	Oct-83	Apr-85	,	Livestock	Out-cry	2	0
White Beer	KGE	Ianan	May 00	Dec 94	2.400 kg	Grains and Oils	Out org	26	0
White Deall	KOL	Japan	Iviay-09	Dec-84	2,400 Kg.		Cut-Cry	50	0
white Bean	KCE	Japan	Jan-82	Oct-84	2,400 kg.	Grains and Oils	Electronic	1	0
Western Plywood	СВОТ	US	Apr-81	Sep-84	1- lot of 36 double banded units of 66 pieces	Other	Out-cry	221	0
White Bean	TGE	Ianan	Jan-82	A110-84	2.400 kg	Grains and Oile	Electronic	12	0
Regular Leaded Gas	CME	US	Mar-84	Iun-84	_, ĸg.	Energy	Out-cry	51	0
Number #2 Eucl O	CME		Mar 94	Jun 94		Energy	Out org	22	0
Fuel Oll	CIVIL	05	wiai-04	Jun-04		Energy	Out-cry	33	0

							-		
Raw Sugar	LIFFE	England	Jan-82	Apr-84		Food and Fiber	Out-cry	3,746	0
Fat Lamb	SFE	Australia	May-81	Mar-84		Livestock	Out-cry	2	0
Potato Starch	TGE	Japan	Jan-82	Feb-84	2,500 kg.	Food and Fiber	Electronic	3	0
Cotton	MIDAM	US	Jul-81	Dec-83		Food and Fiber	Out-cry	31	0
Corn	MIDAM	US	Oct-82	Dec-83		Food and Fiber	Out-cry	4	0
Unleaded Regular Gasoline	CBOT	US	Dec-82	Dec-83	1,000 barrels (42,000 gallons)	Energy	Out-cry	232	0
Heating Oil	CBOT	US	Apr-83	Dec-83	1,000 barrels (42,000 gallons)	Energy	Out-cry	18	0
Soybean Oil	LIFFE	England	Apr-82	Nov-83	1 Soybean Meal futures contract	Grains and Oils	Out-cry	34	0
5,000 Oz. Silver - OLD	CBOT	US	Nov-69	Oct-83		Metals	Out-cry	685	0
Export Bullock	SFE	Australia	May-82	Sep-83		Livestock	Out-cry	1	0
Sugar (TO)	LIFFE	England	Mar-83	Sep-83		Food and Fiber	Out-cry	4	0
Crude Oil	CBOT	US	Mar-83	Aug-83	1,000 barrels (42,000 gallons)	Energy	Out-cry	280	0
100 Troy Oz. Gold - OLD	CBOT	US	Feb-79	Jun-83		Metals	Out-cry	134	0
Number 2 Heating Oil, Gulf	NYMEX	US	Aug-81	Nov-82		Energy	Out-cry	6	0
Leaded Regular Gasoline, Gulf	NYMEX	US	Dec-81	Nov-82		Energy	Out-cry	1	0
Plywood	CME	US	Jul-81	Jun-82		Food and Fiber	Out-cry	1	0
Sunflower Seed	MGE	US	May-80	Mar-82		Food and Fiber	Out-cry	48	0
Plywood	CBOT	US	Dec-69	Jan-82		Food and Fiber	Out-cry	604	0
Soybean	MIDAM	US	Oct-81	Oct-81		Food and Fiber	Out-cry	13	0
Frozen Boneless Beef	SFE	Australia	Apr-79	Sep-81		Food and Fiber	Out-cry	0	0
Cotton	HKFE	Hong Kong	Jan-80	Sep-81		Food and Fiber	Out-cry	73	0
Rough Rice	MIDAM	US	Apr-81	Apr-81		Food and Fiber	Out-cry	33	0
Milled Rice	MIDAM	US	Apr-81	Apr-81		Food and Fiber	Out-cry	24	0
Iced Broiler	CBOT	US	Aug-68	Jan-81		Food and Fiber	Out-cry	15	0
Zinc	NYMEX	US	Feb-78	Dec-80		Metals	Out-cry	0	0
Gold 3 Kg OLD	CBOT	US	Dec-74	Jul-80		Metals	Out-cry	0	0

Appendix F

Commodity Exchanges

Acronym	Exchange	Web site
ADEX	Athens Derivatives Exchange	www.adex.ase.gr/AdexHomeEN/ns/index.html
AEX	Amsterdam Exchanges	www.aex.nl
AFINEX	Almaty Financial Instruments Exchange	
AMEX	American Stock Exchange	www.nasdaq-amex.com
ASX	Australian Stock Exchange	www.asx.com.au
BBF	Bolsa Brasileira de Futuros	
BCE	Bermuda Commodities Exchange	www.bcoe.bm
BCOE	Budapest Commodity Exchange	www.bce-bat.com
BDP	Bolsa do Derivados do Porto	www.bdp.pt
Beijing	Beijing Commodity Exchange	bcewww.cnfm.com.cn:8080
Belfox	Belgium Futures & Options Exchange	www.belfox.be
Blagovna	Ljubljana Commodity Exchange	www.eunet.si/commercial/bbl/bbl-ein.html
BM & F	Bolsa de Mercadorias & Futuros	www.bmf.com.br
BSE	Budapest Stock Exchange	www.fornax.hu/fmon/
CACOFV	Caracas Stock Exchange	www.cacofv.com
CBOE	Chicago Board Options Exchange	www.cboe.com
CBOT	Chicago Board of Trade	www.cbot.com
CCE	Caribbean Commodity Exchange	www.cceltd.com/
CCFE	China Commodity Futures Exchange of Hainan	www.ccfe.org
CCHE	Changchun Commodity Exchange	
Chubu	Chubu Commodity Exchange	
CME	Chicago Mercantile Excange	www.cme.com
Cochin	Cochin	
COMMEX M	COMMEX Malaysia	www.commex.com.my/htm/home.htm
CQCE	Chongqing Commodity Exchange	
CSCE	Coffee, Sugar, Cocoa Exchange	www.csce.com
CUFE	Chengdu United Futures Exchange	
CX	Cantor Exchange	cx.cantor.com
CZCE	Zhengzhou Commodity Exchange	202.102.240.98/english/index.html
DCE	Dalian Commodity Exchange	-
EICA	East India Cotton Association	
Eurex D	Eurex Deutschland	www.exchange.de/eurex/
Eurex Z	Eurex Zurich	www.bourse.ch
EX	Environment Exchange	
FC&M	Futuros de Citricos y Mercaderias de Valencia	drac.medusa.es/fcm/index/.html
FIA	Futures Industry Association	www.fiafii.org/
FUTOP	Copenhagen Stock Exchange	www.xcse.dk
FutureCom	FutureCom	www.futurecom.org/
GUFE	Guangdong United Futures Exchange	
HEX	Helsinki Exchanges	www.hex.fi
HGE	HGE	
HKFE	Hong Kong Futures Exchange	www.hkfe.com/
ICE	Izmir Commodity Exchange	http://business.wec-net.com.tr/ITB/english.html
IFE	IFE	
IGE	Istanbul Gold Exchange	www.iabgold.com
IPE	International Petroleum Exchange	www.ipe.uk.com
ISEC	Italian Stock Exchange Council	www.borsaitalia.it/ing/idem/
KANEX	Kansai Agricultural Commodities Exchange	www.kanex.or.jp
KANSAI	Kansai Agricultural Commodities Exchange	www.kanex.or.jp
КСВТ	Kansas City Board of Trade	www.kcbt.com
KCE	Kanmon Commodity Exchange	www.kce.or.jp
KGE	KGE	••

KOFEX	Korea Futures Exchange	www.kofex.com/html/english.htm
KSE	Korea Stock Exchange	www.kse.or.kr
LIFFE	London International Financial Futures Exchange	www.liffe.com
LME	London Metal Exchange	www.lme.co.uk
LRTMA	LRTMA	
MAT	Mercado a Termino de Buenos S.A.	www.matba.com.ar
MATIF	Marche a Terme International de France	www.matif.fr
ME	Montreal Exchange	www.me.org
Meff-F	Meff Renta Fija	www.meff.es/
Meff-V	Meff Renta Variable	www.meffrv.es/ing/indexi.htm
MERFOX	MERFOX	
MexDer	Mexican Derivatives Exchange	www.bmv.com.mx/html/mexder.html
MGE	Minneapolis Grain Exchange	www.mgex.com
MICEX	Moscow Interbank Currency Exchange	www.micex.com/english/index.html
MIDAM	MidAmerican Commodity Exchange	www.cbot.com
MIF	Mercato Italiano Dei Futures	www.borsaitalia.it/ing/idem/
MIFE	MIFE	
MONEP	Marche des Options Negociables de Paris	www.bourse-de-paris.fr/defaulgb.htm
MSCE	Moscow Central Stock Exchange	www.mcse.ru
Nordpol	Nordpol	
NSE	Nagoya Stock Exchange	www.iijnet.or.jp/nse-jp
NVN	Amsterdam Agricultural Market	
NYBT	Coffee, Sugar, Cocoa Exchange	www.csce.com
NYCE	New York Cotton Exchange	www.nyce.com
NYMEX	New York Mercantile Exchange	www.nymex.com
NZFOE	New Zealand Futures & Options Exchange	www.nzfoe.co.nz
OM	OM Stockholm	www.omgroup.com/
OME	Osaka Mercantile Exchange	
OSE	Osaka Securities Exchange	www.ose.or.jp/index_e.htm
OsloSE	Oslo Stock Exchange	www.ose.no/english/
ParisB	Marche a Terme International de France	www.matif.fr
PBOT	Philadelphia Board of Trade	www.phlx.com
PCX	Pacific Exchange	www.pacificex.com
PHLX	Philadelphia Stock Exchange	www.phlx.com
Pulpex	Pulp Exchange	www.omgroup.com
RCE	Romanian Commodities Exchange	www.starnets.ro/brm/
RDJSE	Rio de Janeiro Stock Exchange	www.bvrj.com.br/
REX	Russian Exchange	www.re.ru/html/news/default_e.htm
ROFEX	Mercado a Termino de Rosario, Argentina	www.rofex.com.ar/index.htm
Rosario	Mercado a Termino de Rosario, Argentina	www.rotex.com.ar/index.htm
SAFEX	South African Futures Exchange	www.safex.co.za/
SCE	Suzhou Commodity Exchange	
SCUE	Shanghai Cereals & Oil Exchange	
SFE	Sydney Futures Exchange	www.sre.com.au/Presentation/
SHCE	Shanghai Commodity Exchange	
SHFE	Shanghai Futures Exchange	
SHME	Shanghai Metais Exchange	www.snme.com/snme.ntm
Sibiu	Sibiu Monetary-Financial and Commodities Exchange	www.bhillins.ro/english.html
SICOM	Singapore Commodity Exchange	www.sicom.com.sg
SIMEX	Singapore International Monetary Exchange	www.simex.com sg/
SME	Shenzhen Mercantile Exchange	www.sme.com.cn/
SPbFE	St. Petersburg Futures Exchange	www.futures.ru/
SYCE	Shenvang Commodity Exchange	
TAIFEX	Taiwan International Futures Exchange	www.taimex.com.tw/eng/index.html
TASE	Tel-Aviv Stock Exchange	www.tase.org.il/
TFE	Toronto Futures Exchange	www.tse.com/

TGE	Tokyo Grain Exchange	www.tge.or.jp/
TIFFE	Tokyo International Financial Futures Exchange	www.tiffe.or.jp/
TOCOM	Tokyo Commodity Exchange	www.tocom.or.jp/
Toronto SE	Toronto Stock Exchange	www.tse.com/
TSE	Tokyo Stock Exchange	www.tse.or.jp/eindex.html
TUFE	Tianjin United Futures Exchange	
WBAG	Wiener Borse	www.wbag.at/e_index.html
WCE	Winnipeg Commodity Exchange	www.wce.mb.ca/
WGT	Warsaw Commodity Exchange	
WSE	Warsaw Stock Exchange	www.wse.com.pl/gpw/mapa2.htm
WTB	Hanover Commodity Exchange	www.wtb-hannover.de/english/index.html
Yokohama	Yokohama Commodity Exchange	210.133.215.2:80/maekan/english/
	India Pepper & Spice Trade Association	

Appendix G--CFTC Commitments of Traders Report: Non-Commercial Spreading as a Percent of Open Interest

Market and Exchange Name

Percent of Open Interest

	150/
CKB/BRIDGE INDEX - NEW YORK FUTURES EXCHANGE	45%
HIGH FRUCTUSE CORN SYRUP, 55% - MINNEAPOLIS GRAIN EXCHANGE	19%
WHEAT - MIDAMERICA COMMODITY EXCHANGE	18%
GOLDMAN-SACHS COMMODITY INDEX - INTERNATIONAL MONETARY	16%
MARKET	1.0.07
ICED OR FROZEN BROILERS - CHICAGO MERCANTILE EXCHANGE	13%
ANHYDROUS AMMONIA - CHICAGO BOARD OF TRADE	13%
FRESH BROILERS - CHICAGO MERCANTILE EXCHANGE	13%
SOYBEAN OIL - CHICAGO BOARD OF TRADE	9%
GRAIN SORGHUMS - KANSAS CITY BOARD OF TRADE	9%
SOYBEANS - CHICAGO BOARD OF TRADE	8%
FROZEN PORK BELLIES - CHICAGO MERCANTILE EXCHANGE	8%
LIVE HOGS - CHICAGO MERCANTILE EXCHANGE	8%
LEAN HOGS - CHICAGO MERCANTILE EXCHANGE	8%
GOLD - COMMODITY EXCHANGE INC.	8%
SILVER - COMMODITY EXCHANGE INC.	7%
DIAMMONIUM PHOSPHATE - CHICAGO BOARD OF TRADE	7%
ELECTRICITY (CA-OR BORDER) - NEW YORK MERCANTILE EXCHANGE	7%
LIVE CATTLE - CHICAGO MERCANTILE EXCHANGE	7%
SOYBEAN MEAL - CHICAGO BOARD OF TRADE	7%
WHEAT - CHICAGO BOARD OF TRADE	6%
ROUGH RICE - CHICAGO BOARD OF TRADE	6%
FRZN CONCENTRATED ORANGE JUICE - CITRUS ASSOC. OF N Y COTTON EXCH	6%
INC	
PORK BELLIES - CHICAGO MERCANTILE EXCHANGE	5%
CRUDE OIL, LIGHT 'SWEET' - NEW YORK MERCANTILE EXCHANGE	5%
SILVER - CHICAGO BUARD OF TRADE	5%
UNLEADED GASOLINE, N.Y. HARBOR - NEW YORK MERCANTILE EXCHANGE	5%
KOUGH RICE - CHICAGO RICE AND COTTON EXCHANGE	5%
FEEDER CATTLE - CHICAGO MERCANTILE EXCHANGE	5%
RANDOM LENGTH LUMBER-NEW - CHICAGO MERCANTILE EXCHANGE	5%
CORN - CHICAGO BUARD OF TRADE	5%
KOUGH RICE - MIDAMERICA COMMODITY EXCHANGE	4%
NO. 2 HEATING OIL, N.Y. HARBOR - NEW YORK MERCANTILE EXCHANGE	4%
COFFEE C - COFFEE, SUGAR & COCOA EXCHANGE	4%
CORN - MIDAMERICA COMMODITY EXCHANGE	4%
MILK - CHICAGO MERCANTILE EXCHANGE	4%
COTTON NO. 2 - NEW YORK COTTON EXCHANGE	4%
NATURAL GAS - NEW YORK MERCANTILE EXCHANGE	4%
BUTTER - CHICAGO MERCANTILE EXCHANGE	4%
ELECTRICITY (PALO VERDE) - NEW YORK MERCANTILE EXCHANGE	4%
LEADED GASOLINE, N.Y. HARBOR - NEW YORK MERCANTILE EXCHANGE	4%
1000 TROY OUNCE SILVER - CHICAGO BOARD OF TRADE	3%
OATS - CHICAGO BOARD OF TRADE	3%
ROUND WHITE POTATOES - NEW YORK MERCANTILE EXCHANGE	3%
RANDOM LENGTH LUMBER - CHICAGO MERCANTILE EXCHANGE	3%

BONELESS BEEF (90%) - CHICAGO MERCANTILE EXCHANGE	2%
COPPER - COMMODITY EXCHANGE INC.	2%
WHEAT - KANSAS CITY BOARD OF TRADE	2%
SOYBEANS - MIDAMERICA COMMODITY EXCHANGE	2%
CRUDE OIL, SOUR - NEW YORK MERCANTILE EXCHANGE	2%
PALLADIUM - NEW YORK MERCANTILE EXCHANGE	2%
COCOA - COFFEE, SUGAR & COCOA EXCHANGE	2%
PLATINUM - NEW YORK MERCANTILE EXCHANGE	2%
STRUCTURAL PLYWOOD PANEL INDEX - CHICAGO BOARD OF TRADE	2%
BFP MILK, LARGE - COFFEE, SUGAR & COCOA EXCHANGE	2%
WHEAT - MINNEAPOLIS GRAIN EXCHANGE	2%
ALUMINUM - COMMODITY EXCHANGE INC.	1%
UNLEADED GASOLINE, GULF COAST - NEW YORK MERCANTILE EXCHANGE	1%
GOLD - INTERNATIONAL MONETARY MARKET	1%
PROPANE GAS - NEW YORK MERCANTILE EXCHANGE	1%
COPPER-GRADE #1 - COMMODITY EXCHANGE INC.	1%
SUGAR NO. 11 - COFFEE, SUGAR & COCOA EXCHANGE	1%
PROPANE GAS - PETROLEUM ASSOC OF N Y COTTON EXCH.	1%
BFP MILK - COFFEE, SUGAR & COCOA EXCHANGE	1%
COTLOOK WORLD COTTON - NEW YORK COTTON EXCHANGE	1%
HARD AMBER DURUM WHEAT - MINNEAPOLIS GRAIN EXCHANGE	1%
WHITE WHEAT - MINNEAPOLIS GRAIN EXCHANGE	1%
SOYBEAN OIL - MIDAMERICA COMMODITY EXCHANGE	1%
LIVE HOGS - MIDAMERICA COMMODITY EXCHANGE	0%
SUGAR NO. 12 - COFFEE, SUGAR & COCOA EXCHANGE	0%
NATURAL GAS - KANSAS CITY BOARD OF TRADE	0%
ELECTRICITY (CINERGY) - NEW YORK MERCANTILE EXCHANGE	0%
SUGAR NO. 14 - COFFEE, SUGAR & COCOA EXCHANGE	0%
ALUMINUM - NEW YORK MERCANTILE EXCHANGE	0%
BONELESS BEEF TRIMMINGS(50%) - CHICAGO MERCANTILE EXCHANGE	0%
CHEDDAR CHEESE - COFFEE, SUGAR & COCOA EXCHANGE	0%
ELECTRICITY (ENTERGY) - NEW YORK MERCANTILE EXCHANGE	0%
ELECTRICITY (PJM) - NEW YORK MERCANTILE EXCHANGE	0%
FRESH PORK BELLIES - CHICAGO MERCANTILE EXCHANGE	0%
GOLD, 100 TROY OZ - CHICAGO BOARD OF TRADE	0%
IOWA CORN YIELD INSURANCE - CHICAGO BOARD OF TRADE	0%
MILK - COFFEE, SUGAR & COCOA EXCHANGE	0%
NON FAT DRY MILK - COFFEE, SUGAR & COCOA EXCHANGE	0%
PLATINUM - COMMODITY EXCHANGE INC.	0%
ROUGH RICE - MID AMERICA COMMODITY EXCHANGE	0%
US CORN YIELD INSURANCE - CHICAGO BOARD OF TRADE	0%
WHITE SUGAR - COFFEE, SUGAR & COCOA EXCHANGE	0%
	570