

AVA

December 2004

The authority for food safety and animal and plant health

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New entries for CITES list

AVA, Singapore's management authority for the Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES), recently participated in the 13th Conference of the Parties to CITES (COP13). CITES, a global wildlife watchdog that regulates international trade in endangered species to ensure that they are not threatened with extinction, convenes the biennial meeting to review the implementation of the Convention. Decisions on the species to be removed or listed on the CITES Appendices are also made during the conference.

Held in Bangkok from 2-14 October 2004, the conference saw the participation of some 2000 delegates from 154 governments and observer organisations. In his opening address, the Thai Prime Minister Thaksin Shinawatra declared that Thailand would set up an "Asian wildlife law enforcement network", much like a Wildlife Interpol, to combat the illegal wildlife trade in Asia. In line with the Thai initiative, ASEAN issued an ASEAN Ministerial Statement on CITES, which would focus on greater regional cooperation in law enforcement and capacity building.

COP13 reviewed trade rules for a number of commercially exploited animal and plant species, and adopted decisions to strengthen wildlife management and combat illegal trafficking of wildlife. Of the 50 proposals which COP13 considered to amend the Appendices, the meeting adopted 34 of them. Some of the proposals that were adopted include:

- Addition of great white shark and humphead wrasse – 2 fish species of commercial value, to the threatened species list, which would require permits for their trade.
- Re-classification of the Irrawaddy dolphin as critically endangered and to forbid all commercial trade in the dolphin.
- Listing of 5 more Asian turtles, which are traded in significant quantities for regional food markets and pet trade. These included the Asian soft-shell turtle, which Singaporeans consume in "turtle soup".



AMAF Meeting - Strengthening regional cooperation



Regional cooperation received a boost at the 26th Meeting of the ASEAN Ministers on Agriculture and Forestry (AMAF) and the 4th Meeting of the AMAF+3 (ASEAN + People's Republic of China, Japan and Republic of Korea). Held on 7 October 2004 and 8 October 2004 respectively in Yangon, Myanmar, the Singapore delegation was led by the Minister for National Development, Mr Mah Bow Tan.

Eight proposals were endorsed by the AMAF for implementation among which was the Singapore proposal for joint cooperation to control bird flu (HPAI) in ASEAN countries. The First Meeting of the HPAI Task Force, under the ASEAN Sectoral Working Group on Livestock, will be held in Singapore to focus on the issue. Among the other proposals were:

- Harmonisation of 86 maximum residue limit values of pesticides in vegetables, fruits and cash crops. This measure aims to protect the consumer's health and to facilitate trade of the commodities.

- Development of ASEAN standard for Canine Parvovirus Vaccine to ensure that animal vaccines which meet international standards will be used to protect animal health in the ASEAN region.
- Development of ASEAN criteria for accreditation of livestock establishment for pig for slaughter and that for chicken for slaughter to ensure the use of common practices and common quality standards in the production of live animals and their products in the ASEAN region.
- Establishment of an ASEAN Animal Health Trust Fund to facilitate implementation of animal health programmes in the ASEAN region.
- Inclusion of action programmes on food, agriculture and forestry in the Strategic Plan of Action (2005 - 2010).
- Extension of the Memorandum of Understanding on ASEAN Cooperation in Agriculture and Forest Products Promotion Scheme for another five years (2004 to 2009) to strengthen the competitiveness of ASEAN products.

The AMAF +3 Meeting approved a study tour, two seminars and four training courses on agriculture and bird flu to be implemented by the People's Republic of China, Japan and Republic of Korea; and Singapore's proposal on ASEAN+3 cooperation on the control of bird flu.

Aquaculture conference spotlights AVA's expertise



Expressing hope for a vibrant aquaculture industry in the region is Mr Lim Swee Say during his opening address.

Making a big splash in the local marine aquaculture scene was the first Marine Aquaculture Conference held in Singapore from 12-13 October 2004 and jointly organised by the Agri-Food and Veterinary Authority, the Temasek Lifesciences Laboratory and the Tropical Marine Science Institute. The conference served as a platform for uncovering the latest developments and business issues facing the aquaculture industry, focusing on scientific and technological breakthroughs in breeding and hatchery management.

Singapore's edge in aquaculture

Giving prominence to Singapore's efforts in marine aquaculture during his conference opening address, Mr Lim Swee Say, Second Minister for National Development said, "Singapore's upstream R&D in aquaculture and hatchery technologies can add to the growth of a vibrant aquaculture industry in the region."

To provide such expertise, AVA had launched a \$33-million Marine Aquaculture Centre on St John's Island in June last year to develop techniques for large-scale fish breeding and rearing. Dr Ngiam Tong Tau, CEO, AVA said during the conference: "The way we're going about it is to produce good, strong, disease-resistant fish fingerlings for the farms... and we'll train the farmers in this region to keep the

fish healthy." AVA is also testing new ways of rearing fish to treble the yield of some fish farms.

Collaboration for regional growth

The conference participants also got an opportunity to gain knowledge from renowned speakers from Europe, US and the region. Also presenting a paper at the conference, titled 'The Marine Aquaculture Centre-Opportunities for Research, Collaboration, Investments and Commercialisation' was Mrs Renee Chou, Head, Technology Division in AVA. In addition to elaborating on the MAC's research areas, she emphasised that much of the developments can be tapped for commercialisation and welcomed opportunities for collaboration and partnership.

In the face of depleting fishery resources worldwide coupled with increasing demand for seafood, high-tech aquaculture farming and its related technologies will have an increasingly important role to play in producing a stable, wholesome and safe foodfish supply. Judging by the positive feedback received by the organisers, the conference is a step in the right direction.

Training Riau officers to tackle fish supply

Singapore and Norway linked up to provide fish farming training for 13 Riau fishery officials recently. Supported by AVA, the course spanning 18 October to 5 November 2004 was conducted by a Norwegian expert on a fish farm off St John's Island.

Using 13,000 red snappers, the Riau Indonesians were taught the finer points of large capacity, shallow netcage coastal fish farming, including the maintenance of netcages and fish feeding. They also learnt to construct octagonal-shaped wooden and styrofoam netcages where the fish will be bred.

Part of the Singapore-Norway Third Country Training Programme, the course aims to supplement Singapore's fish supply by helping to develop fish farming in Indonesia.

Riau fishery officials, posing here with their Norwegian trainer, received their training on a fish farm off St John's Island.



Teamwork reaps two trophies

It was people power that was responsible for the double joy for AVA this year as it became a proud recipient of the Singapore Quality Class (SQC) award and the People Developer Standard (PDS).

AVA's CEO, Dr Ngiam Tong Tau, who attributed the dual success to the collective effort of staff remarked on the attainment of SQC, "The achievement of SQC is the start of the next lap of our journey towards organisational excellence. We should continue to strive for excellence in our business operations and services." Upon receiving the PDS award shortly thereafter, Dr Ngiam urged all staff to continue to demonstrate the team spirit and reach for the next milestone of the People Excellence Award.

AVA's journey towards business excellence has seen the organisation progress from its basic focus on ensuring resilient supply of safe food, safeguarding the health of animals and plants and promoting agri-business to become a customer-centric innovative organisation. Senior management is actively involved and act as role models in spearheading various initiatives with full commitment from the staff at every stage of the journey.

Enhancing customer service

Continuous effort is taken to improve customer service by cutting red-tape, re-engineering key business processes and implementing e-initiatives to help our customers. For example, AVA had worked hand in hand with the Ministry of Trade and Industry on the Online Application System for Integrated Services (OASIS) project which now allows the public to acquire information and apply for all licences related to setting up a business via the Internet.

Encouraging creative thinking

AVA places emphasis on innovation and encourages its staff to embrace new ideas and



Dr Ngiam Tong Tau, CEO, AVA receiving the SQC Plaque from SPRING Singapore on 21 October 2004.

change. To encourage innovation, an "iVenture" innovation project scheme was launched last year which has seen 5 completed projects receiving awards. The I-RICH system, one of the fruits of AVA's innovation effort, now allows urgent messages, updates and reminders regarding process food imports to be despatched to importers via Short Message Service (SMS). In addition, an innovation room aptly named "i-Lab" was launched early this year. Through the innovation room, AVA aspires to nurture an organisational climate for creativity.

Focusing on staff

AVA believes in bringing out the best in its people by developing them to perform and excel. AVA's aim is to increase its competitive edge by leveraging on effective workforce management and development. Staff feedback from all levels is welcomed and facilitated by the availability of several of avenues including the Staff Suggestion Scheme. AVA believes that a healthy and happy staff make for a highly productive organisation. Staff are encouraged to lead a balanced work life. The array of activities to promote a healthy lifestyle include talks, exercise sessions, health checkups and welfare and community involvement activities.

Processes and people geared up to meet customers' needs and outfitted with flexibility to meet changing demands form the framework for AVA's journey towards excellence. The awards act as a barometer of AVA's success in the continual journey towards excellence.

Quiz 7/2004

Answer these simple questions and ten correct entries will stand to win AVA souvenirs. Just select the correct answer to each of the three questions that follow, and fax, e-mail or mail your entry together with your name, NRIC, address and contact details to:

**Agri-Food & Veterinary Authority, 5 Maxwell Road, #04-00 Tower Block
MND Complex, Singapore 069110
Fax: 6220 6068, E-mail: ava_info@ava.gov.sg**

Closing Date: 15 January 2005

Hint: Read the Responsible Pet Ownership advertorial that appears on pages 6-7.

- One of AVA's key goals is to safeguard and promote animal welfare.
(a) True (b) False
- Before getting a pet you must consider if you can :
(a) Spend time with your pet (b) Afford to keep the pet (c) Both (a) and (b)
- You can be a responsible pet owner by sterilising your pet.
(a) True (b) False



Bird flu exercise, take three



When it comes to the battle against bird flu, being pro-active has been AVA's buzzword, having conducted two emergency preparedness exercises for bird flu outbreak in Singapore. A third exercise, Exercise Gallus 3, was recently conducted on 3 September 2004 to test the safety aspects of the decontamination process and the efficiency of the staging process at the Veterinary Public Health Centre (VPHC).

Involving over 300 AVA officers who had been assigned roles as cullers and support staff, the exercise involved medical screening, outfitting of personal protective equipment (PPE) followed

by de-contamination. Making this exercise a family affair was the inclusion of 69 officers from our sister Statutory Boards namely, the Housing and Development Board, the National Parks Board and the Urban Redevelopment Authority. The officers from our sister Statutory Boards had been activated to assist and to familiarise themselves with the staging process at VPHC.

In addition, the first group of staff to be outfitted with PPE were deployed to the Tuas Training Village to respond to a simulated scenario of culling an imported consignment of diseased poultry intercepted at the Tuas Checkpoint. The entire exercise was concluded at midnight.

Three teams were assigned to evaluate the exercise and their feedback proved both insightful and encouraging. Several areas were identified for further streamlining that included the medical screening procedure and steps for decontamination.

With Malaysia the latest victim to bird flu, Singapore has become even more vulnerable. Rather than be caught off-guard, AVA, through these exercises, aims to be battle-ready to eradicate the disease fast and effectively should it invade Singapore.

Bird flu breaks egg supplies

Consumers had to take a break from eggs for breakfast when two-thirds of Singapore's egg supplies became disrupted when Singapore imposed a total ban on egg and poultry imports from Malaysia on 18 August 2004. Detection of the dreaded bird flu in a farm in Malaysia's northern state of Kelantan necessitated this action by AVA.

As part of its role to diversify food sources, AVA continually assesses and accredits new food sources and had previously accredited layer farms in countries such as Australia and New Zealand to supply eggs to Singapore. Australia, Denmark, France and the United States are also accredited to supply liquid and powdered eggs to Singapore. However, the continued preference of egg traders to import from Malaysia due to established trade links and competitiveness of their egg prices led to an over-reliance on egg supplies from Malaysia.

To alleviate the shortfall in egg supply following the ban, AVA encouraged and facilitated traders to bring in egg supplies from alternative accredited sources, such as Australia and New Zealand. But these suppliers needed some lag time to increase their stocks to meet the sudden surge in demand. Furthermore as there was uncertainty as to the duration of the suspension, traders

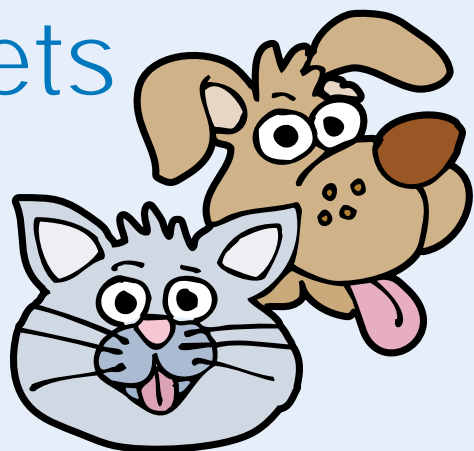
understandably took a cautious approach in importing eggs from alternative sources. These factors contributed to a severe shortage of eggs in the market and escalating egg prices.

Due to concerted efforts of importers and AVA, about 270,000 eggs from Australia and New Zealand soon became available daily. A plant in Malaysia also began to export pasteurised liquid eggs to Singapore, supplementing supplies from Australia and New Zealand to meet the demands of the food industry. However, there was still a shortfall of about 1.3 million eggs from the daily supply of 3 million before the ban that had to be tolerated.

Offering relief after 6-weeks of curtailed egg supplies was the lifting of the ban on farms in Johore and Malacca on 30 September 2004. This move was made after AVA officers had conducted inspections on the biosecurity measures in place in 130 accredited farms there and had been satisfied with the measures the Malaysian authorities had in place to maintain the states as bird-flu free areas.

By the second week, following the partial lifting of the ban on poultry products from Malaysia, Singapore's egg supplies rose to above pre-suspension levels.

Do Not Buy Pets on Impulse!



Ever felt tempted to rush out and bring home a furry friend after watching a cute animal movie? Or fell in love with a wide-eyed puppy who seemed to be grinning at you and begging to be taken home? Or considered buying an endearing kitten for a friend whom you think will love it?

How many of us have given in to such impulses? Often, pet purchases are made without proper consideration and preparation. When the novelty wears off and reality sets in, many of these animals are given away or abandoned.

Before getting a pet, observe this golden rule: Do Not Buy A Pet On Impulse! Why? Because, A Pet Is For Life!

Some Things To Consider Before Acquiring A Pet

It is always wise to spend some time and effort to find out more about the pet you intend to keep before getting it. For instance, one of the most important things to do is to ensure that the whole family agrees to keeping a pet. Below are some other factors that need to be considered.



1 Do you have time for your pet?

Pets need you to feed, care, groom and exercise them. They also need your companionship. All these require time.

2 Can you afford a pet?

The costs of owning pets can be high. Expenses such as food, veterinary care, grooming, and training classes can add up.



Newsbites

THE AGRI-FOOD AND VETERINARY AUTHORITY

WHO IS AVA?

The Agri-Food and Veterinary Authority, AVA, was established to ensure a resilient supply of safe food, safeguard the health of animals and plants and facilitate agri-trade for Singapore.

AVA CHAMPIONS ANIMAL WELFARE

One of AVA's key goals is to safeguard and promote animal welfare. AVA does this by enforcing strict regulations to protect animals against cruel treatment and educating the public on responsible pet ownership.

Through public education efforts such as talks, roadshows, exhibitions and publications, AVA equips potential and existing owners with knowledge on the care and responsibility that come with owning a pet. AVA also works closely with animal welfare organisations.

These efforts are critical to attaining high standards of pet care and minimising pet abandonment. AVA is committed to ensuring the continued harmonious co-existence of people and animals in Singapore.

AVA'S ANIMAL WELFARE RESOURCES

AVA's Centre for Animal Welfare and Control (CAWC), is a one stop centre for matters pertaining to animal welfare and control. The public can visit this facility for information on pets and pet care. Talks on responsible pet ownership and publications on animal welfare are available upon request.

AVA's Centre for Animal Welfare and Control is located at:
75 Pasir Panjang Rd, Singapore 118507

For more information on responsible pet ownership, you can:
call AVA's Responsible Pet Ownership Hotline at 6471 7197
visit AVA's website at www.ava.gov.sg

AGRI-FOOD AND VETERINARY AUTHORITY OF SINGAPORE

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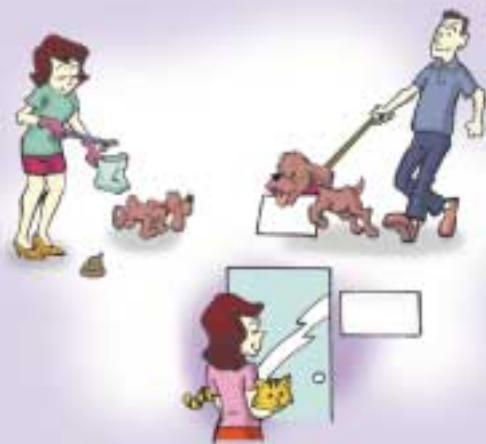


How much do you know about the pet you want?

Pets may bring problems that you will have to deal with. They may fall sick and untrained pets may damage your furniture or cause other problems.

Will you be a responsible pet owner?

There are many aspects to being a responsible pet owner. Besides caring for your pet, you have to ensure that it does not create any public nuisance. This means obeying licensing laws, sterilising your pet, cleaning up after your pets in public places etc.



Seafood catch in Vietnam venture



The signing of the Memorandum of Understanding between Seafood Industries Association Singapore and Kien Giang Province People's Committee signals further cooperation between the two countries in seafood trade.

Seafood from Kien Giang Province, Vietnam may soon find its way onto Singapore supermarket shelves.

Seafood may soon pave the way for closer ties between the Kien Giang Province in Vietnam and Singapore. A recent seafood mission to Vietnam from 13 to 17 June 2004, jointly organised by the Foodfish Business Cluster and Seafood Industries Association Singapore (SIAS), saw the signing of a Memorandum of Understanding (MOU) between SIAS and Kien Giang Province People's Committee. Kien Giang Province lies in the Southwest of the Vietnam in the Mekong Delta region.

During the visit, leaders from different government departments and several private companies in Kien Giang Province met up with the Singapore delegation to discuss the investment opportunities in Kien Giang Province. The People's Committee highlighted 3 business opportunities during the meeting, that is, to invest in their aquaculture and processing industries; export their seafood products to a third country; and to direct purchase for Singapore market. Kien Giang has over 200 kilometres of coastline and 105 islands which supplies a large variety of

shrimps, crabs, squid, fish and other marine products.

The MOU calls for increased assistance and enhanced cooperation between the two in areas that include investment, processing and exporting of seafood products. Present during the signing ceremony was the Singapore delegation comprising 31 members from SIAS, Singapore Fish Merchants' General Association (SFMGA) and Punggol Fish Merchants Association (PFMA) and two representatives from NTUC and Singapore Food Industries (SFI). While in Vietnam, the mission also participated in the annual Vietfish 2004 exhibition in Ho Chi Minh City held by the Vietnam Association of Seafood Exporters and Importers.

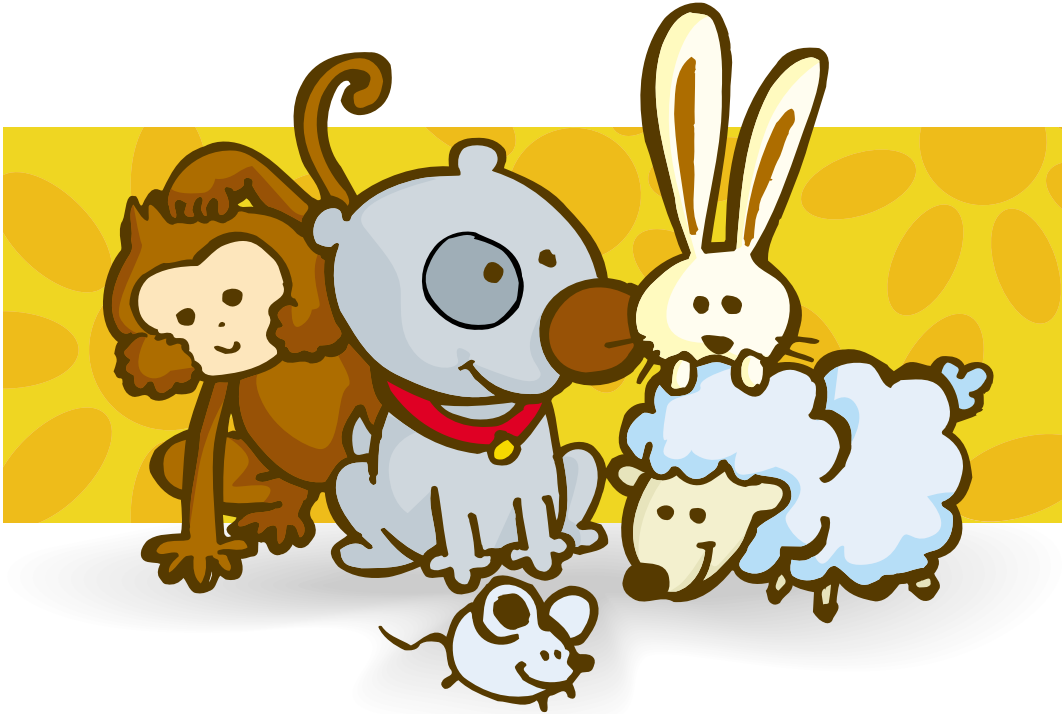
To cement the ties and execution of the MOU between Kien Giang Seafood Industries and SIAS, the Chairman of Kien Giang People's Committee and his delegation were in Singapore from 18 to 21 August 2004. During the visit, the delegation held further talks with Singapore traders and visited their processing facilities. With such strong testimonies of keen interest in cooperating with Singapore in the seafood business, Kien Giang Province may well be on its way to becoming a thriving source of seafood for Singapore.

Should be -18°C

Oops!

In the September 2004 issue of AVA Vision, on page 7 (Your cut & keep guide on safe food storage), we had indicated the freezer temperature as 1-18°C. It should be -18°C. We apologise for the error.

Licensing to protect research animals



Research institutions that use animals for scientific purposes must be licensed by AVA.

Research institutions that use animals now come under the scrutiny of AVA. With effect from 15 November 2004, research institutions which use animals must be licensed under the AVA's Animals and Birds (Care and Use of Animals for Scientific Purposes) Rules.

Guidelines to safeguard

The growth in the biomedical sector in Singapore is anticipated to propel the use of animals for research and testing. Hence, safeguarding the welfare of research animals has become an issue of some concern. To tackle this and other attendant concerns that may arise, the National Advisory Committee for Laboratory Animal Research (NACLAR) was set up in February 2003, to establish national guidelines for the proper care and use of animals for scientific purposes in Singapore. AVA, as the national authority for animal and plant health, is represented on NACLAR and was actively involved in the drafting of the guidelines which were issued on 29 October 2004.

The basis of these guidelines lie in the 3 Rs namely, **R**eplacement of animals with other methods, **R**eduction in the number of animals used, and **R**efinement of the project to minimise the impact on animals. This will require institutions to set up Institutional Animal Care and Use Committees (IACUC) to ensure that animal facilities, care programmes and research projects comply with the guidelines. Institutions will also have to ensure that appropriate

veterinary care is also in place, and that staff and animal users are adequately trained.

Regulating research institutions

AVA will be playing a pivotal role in implementing the guidelines. Research institutions that use animals for scientific purposes must now obtain a licence from AVA. As part of the licensing requirements, a research institution must comply with the NACLAR Guidelines and allow AVA to carry out inspection of their facilities. Existing research institutions that use animals for scientific purposes have been given up to 15 January 2005 to submit their licence applications to AVA. In addition to the two-month grace period, the institutions will be given some time to fully comply with the NACLAR Guidelines.

Offenders who fail to attain the necessary licence from AVA, or do not practice proper care and use of animals in carrying out research, or do not attain the approval of an Institutional Animal Care and Use Committee, may be liable on conviction to a fine of up to \$10,000, or to imprisonment for up to 12 months, or both.

Animal welfare in research

The scope of the NACLAR Guidelines covers all aspects of the care and use of animals for scientific purposes including their use in teaching, field trials, environmental studies, research, diagnosis, product testing, and the production of biological products. However, far from hampering research, AVA hopes to work with the research community to ensure the proper care and use of animals for scientific purposes.

For more information on the NACLAR guidelines visit www.feedback.gov.sg

Pledge of a lifetime



Signing his name and pledging to keep his pet for its lifetime is a visitor to the launch.

From a pet adoption drive to the Responsible Pet Ownership Launch, AVA goes full gear to promote responsible pet ownership.

Making a commitment to keep their pets for life by signing their names on a pledge panel were over 1,000 visitors to the AVA Responsible Pet Ownership Public Education Programme Launch held at Great World City from 19 to 21 November 2004. Though an encouraging figure, it does not play down the statistic of over 60,000 stray cats in Singapore some of which have to be culled every year to keep the population in check.

In his speech during the launch, Mr Lim Swee Say, Second Minister for National Development remarked, "We must never forget that culling stray animals is at best a short term solution. To find the longer term solution, we have to address the problem at source - Responsible Pet Ownership is the key."

The latest among AVA initiatives to spread the message of Responsible Pet Ownership to the masses to dissuade pet abandonment, the event

also saw the active participation of six animal welfare organisations. In addition to the unveiling of the Responsible Pet Ownership icon, a host of other activities were organised that included exhibits, free veterinary consultancy, talks, obedience training tips, stage shows, quizzes, videos and the distribution of educational publications. Attracting a crowd of over 6,000 over the three days, the event marks a milestone in AVA's ongoing efforts to encourage a society that cares for the welfare of its animals.



Strokes aplenty for a dog at the launch.



Six animal welfare organisations put up exhibits at the event.

Introducing a puppy to Mr Lim Swee Say is a volunteer from SOSAnimals.



The winners of the Responsible Pet Ownership Art Competition received their prizes from Mr Lim Swee Say.

Make adoption your option



Save a life, adopt a pet was the message going out loud and clear during AVA's inaugural Pet Adoption Drive on 17 October 2004 at Bishan Park II. Aimed at easing the plight of abandoned animals and to help find new homes for them, it was officiated by Minister of State for Defense & National Development, Mr Cedric Foo.

The event was supported by six animal welfare organisations namely, Action for Singapore Dogs, Animal Lovers' League, Cat Welfare Society, House Rabbits Society of Singapore, Society for the Prevention of Cruelty to Animals and SOSanimals.

In addition to the adoption of pets, there were educational exhibits, obedience training demonstrations, talks and quizzes to spread the message of responsible pet ownership. A resounding success, the event attracted a crowd of more than 5,000 people... excluding the pets that tagged along! Some 190 people expressed genuine interest in adopting a pet from the animal welfare organisations.



Taking a closer look at a puppy is Mr Cedric Foo, Minister of State for Defense and National Development.

The Responsible Pet Ownership Icon

AVA's Responsible Pet Ownership Icon depicts a heart-shaped paw resting on a human hand. Just as a mother holding her child's hand symbolizes unconditional love, care and protection, the Responsible Pet Ownership Icon represents a pet owner's love for the pet. The colours of red and orange signify the warmth and strong bond between a pet and its owner. The hand, raised in pledge, symbolizes a promise of life-long commitment to the pet.



Agrifood Technologies Pte Ltd - Connecting expertise with agri-businesses



Making inroads in the provision of premier consultancy and certification services is AVA's wholly-owned private subsidiary company, Agrifood Technologies Pte Ltd (ATP). Incorporated in October 2000 to serve a niche market of agri-business and other agriculture-related concerns, it provides technical consulting and certification services on a commercial basis for projects that are strategic to AVA.

Established reputation, expert network

Singapore's international acclaim for high food safety standards, zero incidence of major animal and plant diseases and significant inroads in agrotechnology bear testimony to AVA's expertise. Tapping on this rich pool of scientific expertise and state-of-the-art R&D facilities, ATP is able to offer tailored solutions to agriculture projects.

ATP also taps on a panel of affiliate consultants consisting of renowned research institutes like Temasek Life Sciences Laboratory and Department of Biological Sciences, NUS, as well as individual prominent technical experts. With the potent combination of AVA experts and affiliate consultants, clients are assured of technically competent teams able to provide creative, sound and practical solutions for their projects.

Tested waters, proven records

ATP has several success stories under its fold. From assessing the investment potential of meat and fish processing companies in China to providing advisory services on freshwater fish tank system design and fish maintenance services for evaluation of drinking water quality, the projects may be distinct but the thread that

connects is the successful execution in each instance.

In the pipeline are projects in areas such as post-harvest processing technologies and quality assurance certification services for farms and food production establishments. More than just providing the right connections and professional consultancy, ATP hopes to partner businesses and organisations in their venture to provide quality agri-products and services to consumers.

ATP's scope of expertise

ATP's diverse range of expertise include areas such as:

- Food Safety
- Hazard Analysis & Critical Control Points Systems
- Animal and Plant Health
- Veterinary Epidemiology
- Sanitary and Phytosanitary Risk Analysis
- Agri-produce Quality Assurance Schemes
- Fisheries and Aquaculture
- Post-harvest Processes for Fisheries and Agri-produce
- Ornamental Plant and Fish Production
- Agro-technology Park Development and Management
- Livestock and Poultry Waste Management

For more details on ATP's services or to engage their expertise please contact Mr Foo Siang Ming at Tel: 63257654 or email: foo_siang_ming@ava.gov.sg

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