To: Mr Bill Magee, Biosecurity Australia

Comments on the Import Risk Analysis for Chinese Apple

Dear Mr Bill Magee,

First of all, I would like to congratulate you on your new position of General Manager of Plant Biosecurity, Biosecurity Australia. I hope we can further strengthen bilateral communication and cooperation to advance the sound development of bilateral agriculture trade within your term.

Thanks for the publication of Draft Import Risk Analysis Report on Chinese Apple in January 2009; your efforts in assisting the Chinese apple market access are greatly appreciated. After review, China side would present following comments on the draft report:

1. Neonectria ditissima

Due to more effective apple orchard management and pest controls, this disease has not been seen in Chinese apple production areas through many years observation. The referenced document provided in your report is about 20 years ago, and there are no updated relevant documents or reports. Thus we suggest this disease be removed from the pest list and the relevant risk management measures aborted.

2. Sooty Blotch and Flyspeck Complex

This bacterium is a type of saprophytic bacteria reported on 2006 by a Chinese expert. We have consulted with this expert and are informed that this bacterium is reported for taxonomies only, and it does not constitute any harm on the fruits. Thus we suggest this bacterium be removed from the pest list and the relevant risk management measures aborted.

3. Bactrpcera dorsalis free areas

Both our sides have discussed a number of times on the issue of Fruit Fly Freedom Areas in the northern regions of China. Furthermore, Australian experts have conducted field inspections in September and December of 2007 respectively. However, on 6 March 2009, Australia published the FFA assessment report for Shandong, Hebei and Xinjiang only. Currently, many countries like the United States, Chile and South Africa etc. have recognized the apple and pear production areas in northern part of China as fruit fly freedom areas. It would be appreciated that Australia side would consider about the fact and recognize the other fruit production areas in northern part of China as fruit fly free areas as early as possible.

4. Preclearance

We agree that Australian experts come to China to conduct preclearance on the apples to be exported to Australia in the first year of trade. Taking exporting establishments' financial budget

into consideration, we suggest that the preclearance would not be carried out as an on-going practice. If there is any quarantine inspection issue coming up, our both sides can negotiate and work out the specific solutions.

5. Pests Risk Level

China experts consider the risk level for some of the pests are assessed relatively too high. Please see the attachment for specific comments.

It would be appreciated if Australian side could simplify the relevant procedures after the consultation period for the IRA report and publish the final IRA report on Chinese apple as early as possible, so that Chinese apples could be exported to Australia in 2009 harvest season.

We look forward to your reply.

Best regards,

Lu Houlin

Deputy Director General Department of Supervision for Animal & Plant Quarantine General Administration of Quality Supervision, Inspection and Quarantine of People's Republic of China

18 March 2009

	澳大利亚	亚进口中国苹果风险分析报告草案反馈	意见
Appendix: Su	bmissions in response to the Draft import ri	sk analysis report for fresh apple fruit fro	m the People's Repulic of China
有害生物	IRA 原文	修改建议	原因
pests for apple	Draft IRA report	The amending suggestion on IRA	Reason
	4.2.2 The likelihood that <i>C. pulcher</i> will	4.2.2 The likelihood that <i>C. pulcher</i> will	1、该虫最近信息为 1994 年版的《中国果树病虫志》,
	arrive in Australia with the importation of the commodity:HIGH.	arrive in Australia with the importation of the commodity:	近 15 年来均无其发生危害的其他资料。
	4.2.6	MODERATE.	2、多年来的田间调查已很难发现该虫,说明在我国经
丽新须螨	Based on the decision described in Table 2.4, that is, where the	4.2.6 Based on the decision described in	济意义不大,目前不是果树生产中的主要有害生物。
Flat scarlet mite	consequences of a pest with respect to one or more criteria are 'E', the overall	Table 2.4, that is, where the consequences of a pest with respect to	3、NAPPO 检疫性有害生物预警系统中,记载该有害生
(Cenopalpus	consequences are estimated to be MODERATE.	one or more criteria are 'D', the overall consequences are estimated to	物不能通过果实进行传播。(见参考)
pulcher)	Plant life or health	be LOW.	1.Flat scarlet mite was recently recorded by "Plant
	\mathbf{E} – Significant at the regional level	Plant life or health	Diseases and Insects of Fruits in China"(Wang HY. et
	4.2.7	D – Minor significant at the regional	al, 1994) ⁽¹⁾ published in 1994. Except of that, no more
	As indicated, the unrestricted risk for	level	records about its damaging apple or any other fruits were
	flat scarlet mite has been assessed as	4.2.7	found in recent 15 years in China.
	'low', which exceeds Australia's	As indicated, the unrestricted risk for	2.Results of the field survey indicated this pest has hardly
	ALOP. Therefore, specific risk	flat scarlet mite has been assessed as	been found in the field for many years and is not one of the
	management measures are required for	'very low', which achieves	most important pests in the apple orchards.

	this pest.	Australia's ALOP. Therefore, specific	3.Warning System of Quarantine Pests by NAPPO
		risk management measures are not required for this pest.	recorded that this pest can not spread via fruits ⁽²⁾ °
			(Reference : Pathways: The flat scarlet mite is most
			often dispersed on propagative (vegetative) material such as nursery stock or budwood, and is not spread via fruit, seed, or by wind. There is no indication that the mite has been transferred outside Oregon, but the potential for movement on budwood or scionwood, as well as nursery
			stock, should be considered.)
	4.5.2 Reassessment of probability of importation	4.5.2 Reassessment of probability of importation	中国对北纬 33 度以北地区进行多年监测,没有发现桔
	The likelihood that <i>B. dorsalis</i> will arrive in Australia with the importation	The likelihood that <i>B. dorsalis</i> will arrive in Australia with the	小实蝇,澳大利亚也认可北纬 32 度以北地区为桔小实
桔小实蝇	of the commodity: MODERATE.	importation of the commodity: Very Low.	蝇的分布极限,美方也确认中国对北纬 33 度以北地区
Oriental fruit fly (<i>Bactrocera</i>	4.5.6 Unrestricted risk estimate	4.5.6 Unrestricted risk estimate	为桔小实蝇非疫区。
dorsalis)	As indicated, the unrestricted risk for Oriental fruit fly has been assessed as 'high', which	As indicated, the unrestricted risk for Oriental fruit fly has been assessed as ' low', which	No Oriental fruit fly was found by China's National Fruit Flies Trapping Network from 2000 to 2008. in the northern China. Biosecurity Australia was agreed with that the
	exceeds Australia's ALOP. Therefore, specific risk management measures are	exceeds Australia's ALOP. Therefore, specific risk management	northernmost border of <i>Bactrocera dorsalis</i> distribution in China is 30±2° north latitude. Furthermore, APHIS had

	required for this pest.	measures are required for this pest.	accepted the opinion about the pest free area of northern
			China for oriental fruit fly.
			1、 槭绵粉蚧与康氏粉蚧在中国的发生情况不同,建议
			分开评议。
	1. <i>Probability of importation</i> The likelihood that <i>Phenacoccus aceris</i>	1. <i>Probability of importation</i> The likelihood that <i>Phenacoccus</i>	2、 1980-2009 年中国与槭绵粉蚧有关的文献报道共有
	and <i>Pseudococcus comstocki</i> will arrive in Australia	<i>aceris</i> will arrive in Australia with the importation of the	6 篇,其中仅有一篇涉及槭绵粉蚧危害苹果(姜双林等,
槭树绵粉蚧	with the importation of the commodity: HIGH .	commodity: MODERATE .	1999),据该文报道,槭绵粉蚧发生于 20 年以上的老
apple mealybug	···· 2.	 2. 4.8.7 Unrestricted risk estimate 	果园,新建果园未见发生。也未见报道危害果实。
(Phenacoccus	4.8.7 Unrestricted risk estimate		1. It is suggested that Comstock's mealybug and apple
		As indicated, the unrestricted risk for	bealybug should be assessed separately because of the
aceris)	As indicated, the unrestricted risk for	Phenacoccus aceris has been assessed	significant difference in economic importance in China.
	mealybugs has been assessed as 'low',	as 'very low', which achieves	2. six papers related with <i>Phenacoccus aceris</i> were
	which exceeds Australia's ALOP.	Australia's ALOP. Therefore, specific	published in China during 1980-2009. Of which only one
	Therefore, specific risk management	risk management measures are not	is the report that <i>Phenacoccus aceris</i> damages apples
	measures are required for this pest.	required for this pest.	(Jiang Shuanglin et al, 1999) ⁽³⁾ . It was said by this pest
		_	was often found in old orchards established before more
			than 20 years and few individuals were found in
			new-growing orchards. This pest does not feed on fruits,
			and is of no significant economic importance.
			and is of no significant coonsider importance.

		1. Probability of importation	
	1. Probability of importation	The likelihood that <i>A. orana</i> will	1、 国内资料表明该虫不钻蛀果实,主要取食叶片、嫩
	The likelihood that A. orana will arrive	arrive in Australia with the	
	in Australia with the importation of the	importation of the commodity:	
	commodity:	VERY LOW.	牙,以在朱天和叶月柏如时才以及朱天,五以及万式万
	LOW.		喷金田中五中丁田内 并不且赴了田家中在宝 建议五
		2. Plant life or health	嚼食果皮及皮下果肉,并不是蛀入果实内危害,建议更
	2. Plant life or health	D – Minor significant at the regional	
革小卷叶蛾	\mathbf{E} – Significant at the regional level	level	正澳方的错误描述。
Summer fruit tortrix	3.	3.	
moth –	4.10.7 Unrestricted risk estimate	4.10.7 Unrestricted risk estimate	2. 比照苹果蠹蛾,苹小卷叶蛾的经济重要性远小于后
(Adoxophyes orana)	4.10.7 Onrestreted fisk estimate		
(Auoxophyes orana)	As indicated, the unrestricted risk for	 As indicated, the unrestricted risk for	者。
	summer fruit tortrix moth has been	summer fruit tortrix moth has been	1. A survey mainly food on logger shoots. The finite are fod
			1. <i>A. orana</i> mainly feed on leaves, shoots. The fruits are fed
	assessed as 'low',	assessed as 'very low',	occasionally when fruits stick to the leaves. Larvae only
	which exceeds Australia's ALOP.	which achieves Australia's ALOP.	chew fruits but not bore into.
	Therefore, specific risk management	Therefore, specific risk management	2.Compared to codling moth, <i>A. orana</i> is of less economic
	measures are required for this pest.	measures are not required for this	importance in China.
		pest.	
香梨优斑螟	1,	1,	1、陆承志、邓永贵(2004 年)和宋美杰等(1998 年)记
日末化垃圾	1,	1,	1、四尔心、邓尔贝(2004 干)和尔夫派夺(1998 干)比
Pyralid moth	4.13.6 Consequences	4.13.6 Consequences	│ │载了香梨优斑螟在新疆梨园中的发生情况。香梨优斑螟│
			私」日本化州
(Euzophera	Based on the decision described in	Based on the decision described in	
	Table 2.4, that is, where the	Table 2.4, that is, where the	危害苹果的相关报道很少,说明该有害生物在苹果上经
pyriella)	consequences of a pest with respect to	consequences of a pest with respect to	
L	1 1 1	1 1 1	

	one or more criteria are 'E', the overall consequences are estimated to be MODERATE. Plant life or health E – Significant at the regional level (P101). 2,	overall consequences are estimated to be LOW. Plant life or health C – Minor significant at the District level 2、	 济影响不大。 2、比照苹果蠹蛾,香梨优斑螟的经济重要性远小于后者。 1.<i>E. pyriella</i> can only cause direct harm to Xiang pear according to the research of Lu (2004)⁽⁴⁾and Song
	4.13.7 Unrestricted risk estimate As indicated, the unrestricted risk for pyralid moth has been assessed as 'low', which exceeds Australia's ALOP. Therefore, specific risk management measures are required for this pest. (P102)	4.13.7 Unrestricted risk estimate As indicated, the unrestricted risk for pyralid moth has been assessed as 'very low', which achieves Australia's ALOP. Therefore, specific risk management measures are not required for this pest.	(1998) ⁽⁵⁾ . Few reports damaging apple were seen in latest 20 years. It may be concluded that the apple is not a optimal host of <i>E. pyriella</i> and the impact of the pest is unlikely to be noticeable. 2.Compared to codling moth, <i>E. pyriella</i> is of less economic importance in China.
桃小食心虫 Peach fruit moth (<i>Carposina</i> sasakii)	Plant life or health E – Significant at the regional level (P92)	Plant life or health D – Minor significant at the regional level	比照苹果蠹蛾,桃小食心虫的经济重要性与后者相当。 Compared to codling moth, <i>C.Sasakii</i> is of the same economic importance.

苹小食心虫	1、4.14.6 Consequences	1, 4.14.6 Consequences	1. 在中国近 20 年很少有该种有害生物的危害报道,证
Manchurian fruit moth	 Based on the decision described in	 Based on the decision described in	明其经济重要性不大。
(Grapholita inopinata.).	Table2.4,thatis,wheretheconsequencesof a pest with respect to	Table 2.4, that is, where the consequences of a pest with respect to	2. 在澳方的分析报告中,该有害生物与苹果蠹蛾比较,
ιποριπαιά.) .	one or more criteria are 'E', the overall consequences are estimated to be	one or more criteria are 'D', the overall consequences are estimated to	两者危害程度相似。
	MODERATE.	be LOW.	1. There are few research reports about Grapholita
	Plant life or health	Plant life or health	inopinata damage on apple in the latest 20 years.
	\mathbf{E} – Significant at the regional level	D – Minor significant at the regional	2. Based on the draft IRA report, "Grapholita inopinata is
		level	rather similar as a pest to the widely distributed Cydia
	2		pomonella the impact of Manchurian fruit moth on
	2、		plant life or health is rated as the same as codling moth."
	4.14.7 Unrestricted risk estimate	2.	
	•••	4.14.7 Unrestricted risk estimate	
	As indicated, the unrestricted risk for	•••	
	Manchurian fruit moth has been	As indicated, the unrestricted risk for	
	assessed as 'low', which exceeds	Manchurian fruit moth has been	
	Australia's ALOP. Therefore, specific	assessed as 'very low', which	
	risk management measures are required	achieves Australia's ALOP.	
	for this pest.	Therefore, specific risk management	
		measures are not required for this	
		pest.	
利小会心中	Plant life or	Plant life or	
梨小食心虫	health	health	比照苹果蠹蛾 , 苹果不是梨小食心虫的主要寄主 , 梨小

Oriental fruit moth (Grapholita molesta)	E – Significant at the regional level (P109)	D – Minor significant at the regional level	食心虫的经济重要性小于苹果蠹蛾。 G. molesta is not a primary pest of apple. Compared to codling moth, G. molesta is of less economic importance in apple orchards.
白小食心虫	1、4.16.6 Consequences	1, 4.14.6 Consequences	1. 在 澳 方 分 析 报 告 中 引 用 的 Hua (2006) 和
White fruit moth (Spilonota albicana)	 Based on the decision described in Table 2.4, that is, where the consequences of a pest with respect to	 Based on the decision described in Table 2.4, that is, where the consequences of a pest with respect to	Zhang(2005)的资料均是作者引用以前的资料,并非本 人近年来实际调查的结果。
	one or more criteria are 'E', the overall consequences are estimated to be	one or more criteria are 'D', the overall consequences are estimated to	2. 最近 20 年来,对该有害生物的研究较少,有关资
	MODERATE. Plant life or health	be LOW. Plant life or health	料主要来源于其危害山楂的研究报道。
	E – Significant at the regional level	D – Minor significant at the regional level	3. 近年来的果园调查中,很难发现该种有害生物,证
	2,		明其经济危害意义不大。
	4.17.7 Unrestricted risk estimate	2.4.17.7 Unrestricted risk estimate	1. Data in papers of Hua(2006) ⁽⁶⁾ and Zhang (2005) ⁽⁷⁾ cited in Draft IRA Report were from former materials
	As indicated, the unrestricted risk for	•••	published more than 20 years ago. No new
	white fruit moth has been assessed as	As indicated, the unrestricted risk for	information damaging apples is obtained during latest
	'low', which	white fruit moth has been assessed as	years.
	exceeds Australia's ALOP. Therefore, specific risk management measures are	' very low', which achieves Australia's ALOP. Therefore, specific	2. Most of present research data obtained are about the pest damaging hawkthorn or other plants (Wang 1999,

required for this pest.	risk management measures are not		Zhao 1993) ^(8,9) .
	required for this pest.	3.	This pest can hardly be found in most apple orchards
			in filed investigation during recent years.

有害生物	IRA 原文	修改建议	原因
pests for apple	Draft IRA report	Suggest	Reason
			1、澳方依据文献(Ma CS 2006)认为中国的甘肃、河北、
		建议在"Draft IRA Report"中将4.20 European	河南、湖北、陕西和山西偶发该种病害,经查属于网路数
苹果枝溃疡病		canker - Neonectria ditissima 以及5.2.3 Risk	据库资料 , 最初源于1979年出版的《中国农作物病虫害》;
European canker	4.20 European canker 5.2.3 Risk management of	management of European canker中相关的管理措	此后近30年再无报道.
(Neonectria	European canker	施移除。	2、据CPC(2006)报道, Nectria galligena仅在我国台湾
ditissima)		It should be deleted from the list of quarantine pests in "Draft IRA Report" and specific risk	省有分布;
		management measures are not required for this pest in 5.2.3	3、多年来在果园的田间调查也未发现该有害生物;
			1. Australian considered that <i>Neonectria ditissima</i> occurs sporadically in part of Gansu, Hebei, Henan, Hubei, Shaanxi

		and Shanxi just by the reference of Ma (2006) ⁽¹⁰⁾ (see IRA p166). We found Ma's website (2006) were just cited data for plant disease management rather than a research paper, which traced back to the book of "Crop Pest in China" (1979) ⁽¹¹⁾ . and since then there is no record about <i>Neonectria</i> <i>ditissima</i> in China for over 30 years. 2. <i>Nectria galligena</i> only is recorded in Taiwan, China according to CPC (2006). 3.No <i>Nectria galligena was found</i> in the pest survey in the apple orchard in recent years.
煤污病和蝇粪	 建议在"Draft IRA Report"中将 Sooty blotch and	本节涉及与煤污病和蝇粪病有关的真菌均为腐生菌,广泛
病	flyspeck complex 以及 5.2.4 Management of	存在于其它多种植物表面,主要利用果实表面的营养。其
Sooty blotch and flyspeck	Diplocarpon mali, Gymnosporangium yamadae, Monilinia fructigena, Phyllosticta arbutifolia and	在自然界的分布非常广泛,美国真菌分类学家已经发现30
complex	sooty blotch and flyspeck fungi 中相关的 sooty	种,随着研究的深入,发现种类会更多;中国真菌分类学
	blotch and flyspeck fungi 的管理措施移除。	家才开始研究,如果在其它国家研究也会得出同样结果;
	We suggest that the SBFS should be deleted from	The fungi associated with Sooty blotch and flyspeck complex
	the list of quarantine pests in "Draft IRA Report" and also the risk management measures should be	are all saprophytes, which exists in the surface of the various kind of plant to absorb the nutrition and does not affect the
	obliterated.	growth and development of the fruits. The complex of fungi
		widely distributed in the worldwide (Batzer, 2005, Batzer, 2008) ^(12,13) . In U.S.A, fungal taxonomists have found nearly

			30 kinds of fungi in the Sooty blotch and flyspeck complex and also some types have been found in China. The similar results also could be achieved in the similar research in some other countries, so it is unnecessary to list these saprophytic fungi in this draft.
苹果锈病	1,	1,	1、Gymnosporangium yamadae 为转主寄生的专性寄生物,
Japanese apple rust	4.17.2 Probability of entry Thelikelihoodthat	4.17.2 Probability of entry The likelihood that <i>Gymnosporangium yamadae</i>	需要桧柏和蔷薇科植物来完成生活史,担孢子侵染后在苹
(Gymnospora	<i>Gymnosporangium yamadae</i> will arrive in Australia with	will arrive in Australia with the importation of the commodity: VERY LOW	果叶片正面产生性子器,侵染成熟果实的现象极为罕见,
ngium	the importation of the commodity: MODERATE	2、	在自然中不可能存在成熟果实感染后无症状的情况,也没
yamadae.)	2,	5.2.4 Management AQSIQ would be required to inspect all export	有证据证明锈孢子可以在不亲和的果实上长期生存。
苹果褐斑病 marssonina	5.2.4 Management AQSIQ would be required to	orchards prior to removal of bags and harvest for <i>D. mali</i> (marssonina blotch), <i>G. yamadae</i>	2、果园防治和检测是风险管理的第一步,此后,登记的
blotch (<i>Diplocarpon</i>	inspect all export orchards prior to removal of bags and	(Japanese apple rust), <i>M. fructigena</i> (apple brown rot) and <i>P. arbutifolia</i> (apple blotch) to ensure that	果农和企业对出口苹果还有许多工序要执行。
mali),	harvest for <i>D. mal</i> i	they are basically free from symptoms of the	1.Gymnosporangium yamadae is obligate heteroecious in
苹果褐腐病	(marssonina blotch), <i>G. yamadae</i> (Japanese apple	diseases.	that it requires Juniperus spp. and rosaceous to complete its life cycle (Farr et al. 2008) ⁽¹⁴⁾ . Infection from basidiospores
apple brown rot	rust), M. fructigena		on apples gives rise to pycnia borne in groups on the upper
(Monilinia	(apple brown rot), <i>P</i> .		surface of apple leaves and infections on a mature fruit are
fructigena),	arbutifolia (apple blotch) and		really rare (Aldwinckle 1990) ⁽¹⁵⁾ . It is impossible that a
	SBFS fungi (sooty blotch		mature apple infected shows no symptom. There are no

苹果圆斑病	and flyspeck diseases) to	evidences that the aecia can survive on the non-compatible
平未圆巩内	ensure that they are free from	fruits for a long time.)
apple blotch	symptoms of the diseases.	ituits for a fong time.)
(Phyllosticta		2.Orchard control and surveillance is the first step for risk
arbutifolia)		management, series of measures will be implemented by
		registered growers and enterprise for fruit export.

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