GROWING CERTIFIED TURFGRASS IN CHINA
認證草在中國的發展

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Certified Turfgrass Production Standard

ITGAP Standard

- ☆ Soil fumigation on the prepared turfgrass nursery area before planting.
- ☆ An isolation facility is required surrounding the nursery with a height of above 1.5 meters.
- ☆ No other plant is permitted within 5 meters outside the nursery site. If there are other plants nearby, the isolation distance must be at least 20 meters.
- ☆ The irrigation water resources should be located upstream of the drainage system.
- ☆ Irrigation water must ensure not to carry any other weed or grass weeds.
- ☆ Irrigation equipment must be earmarked specifically to avoid the phenomenon of mixing with other turfgrass or plants.
- ☆ Maintenance machinery and equipment must be used separately and not used on multiple turf species.
- ☆ A fixed cleaning pool is required at the entrance to each nursery location. All persons and machinery access should be cleaned and disinfected.
- ☆ Management and employee access to the prepared turfgrass area must be authorized.

ITGAP認證草生產標準

ITGAP 標準

- ☆對備草區坪床進行熏蒸消毒.
- ☆ 周圍建造隔離設施，高度達1.5米.
- ☆ 外圍5米的範圍內，不能有任何植物，若鄰近有其他物種，隔離距離必須在20米.
- ☆ 水源應設在排水系統的上游.
- ☆ 灌溉水源必須確保不攜帶其他植物種子.
- ☆ 灌溉設備必須是指定專用，杜絕與其他草種或植物混合現象.
- ☆ 草坪養護設備機械必須獨立專用.
- ☆ 備草區入口建造固定清洗池，人員機械進出場必須清洗消毒.
- ☆ 備草區管理人員和工作人員必須指定.

Three Inspections by ITGAP inspector
由ITGAP检验员进行检验三次

種植前檢驗　　生長檢驗　　收穫前檢驗

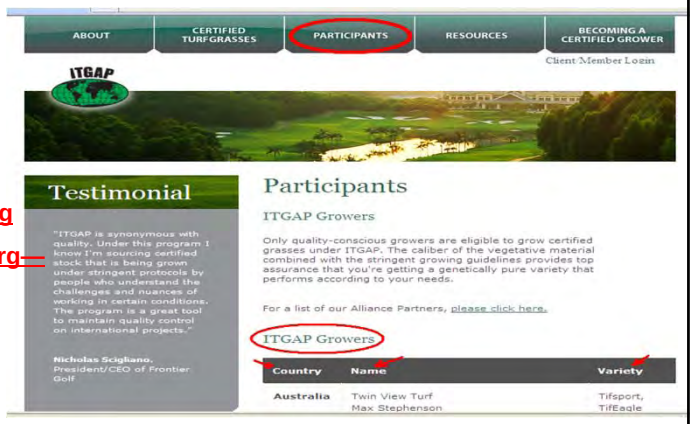
UGA Varieties License Grower

1、Resources Identification

種源確認

All licensed growers have access to http://itgapturf.org

http://itgapturf.org—PARTICIPANTS



2、Precise Production Process

精確生產程序

ITGAP Standard，Licensed Production Certificate Attached

ITGAP Certificate

ITGAP Certificate attached

附帶ITGAP認證書

Certified ITGAP Grass

The grass this certificate represents was produced in accordance with published standards of the International Genetic Assurance Program. The Agent, Coordinator or Administrator of the program makes no warranty of any kind, expressed or implied, including merchantability, or fitness for purpose or otherwise, which extends beyond verification that the grass was produced in compliance with the published standards. The producer or vendor whose name appears on this certificate is solely responsible for the information there on and for the proper use of this certificate.

Kind: _____

Variety: _____

Quantity: Sprigs: _____

Sod: _____

Total Area Planted in Square Meters: _____

Billing Invoice: _____

Field #: _____

Harvest Date: _____

Grower Name & Address:

INTERNATIONAL TURFGRASS GENETIC ASSURANCE PROGRAM (ITGAP)

c/o **Manderley Turfgrass International Inc.**
Agent & Coordinator
10 Camelot Drive, Suite 100
Ottawa, Ontario, Canada K2G 5X8

Phone: 613-225-7500 Fax: 613-225-7752
Email: info@manderley.com

Certificate Number: 00001

This grass this certificate represents has been produced under the published rules of the International Turfgrass Genetic Assurance Program.

I certify that the information provided is true and meets the International Turfgrass Genetic Assurance Program rules for vegetatively propagated turfgrass production.

Authorized Representative: _____

Copies:
Original to Buyer (with each delivery)
Pink to Agent/Coordinator (Manderley Turfgrass International Inc.)
Yellow retained by Grower

Licensed Nurseries in China瓊粵滬三地美國認證苗圃

1. 海南認證苗圃：

Hainan licensed nursery

40萬平方米(40 hectare)

TifSport, TifEagle, Salam, SeaDwarf SI-2000

2. 上海認證苗圃：

Shanghai licensed nursery

15萬平方 (15 hectare)

Tif419

3.廣東認證苗：

Guangdong license nursery

12萬平方米 (12 hectare)

Salam

Certified Turfgrass Production Process

1. **Soil Level on Seedbed植床土壤平**
2. **Fumigation on Seedbed 植床熏蒸消毒**
3. **Pre-plant Inspection by ITGAP Inspector 種植前檢驗**
4. **Resources Imported from USA 種源由美國進口**
5. **Planting Process at Certified Nursery 認證苗圃種植程序**
6. **Grow-in Inspection by ITGAP Inspector 生長期間檢驗**
7. **Grow-in Maintenance 生長保養**
8. **Pre-Harvest by ITGAP Inspector 收穫前檢驗**

Soil Level at Seedbed
植床平整

Fumigation on Seedbed植床熏蒸

Inspection by ITGAP Inspector

Resources Provided by GCIA種源由GCIA提供

GCIA: Georgia Crop Improvement Association

Planting Process種植程序

Grow-in Inspection by ITGAP Inspector
ITGAP檢驗員進行生長檢驗

⇦ **Washing Area進出場清洗區**

Machine-Washing
機器清洗 ⇨

Nursery Growing Process

one week after planting種植一周後

20 days after planting種植20天后

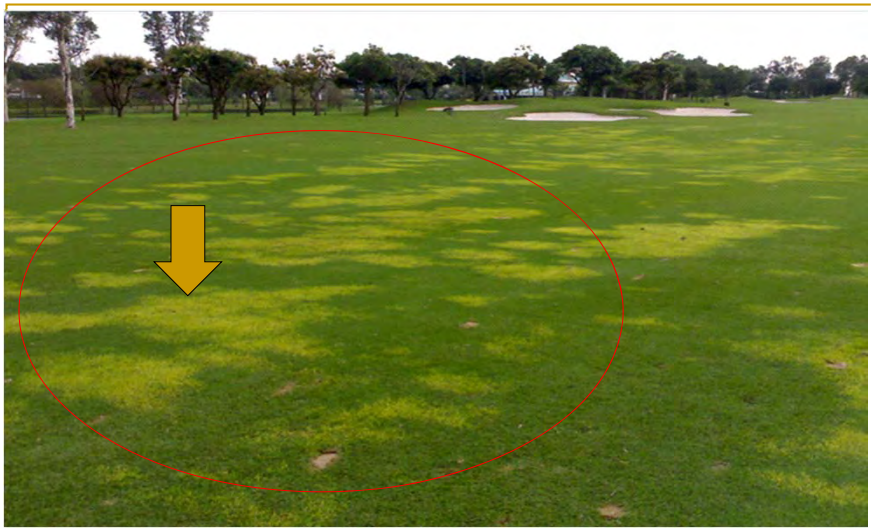
Ready for harvest準備收穫

40 days after planting 40天后

Pre-Harvest Inspection by ITGAP inspector
由ITGAP检验员进行收获前检验

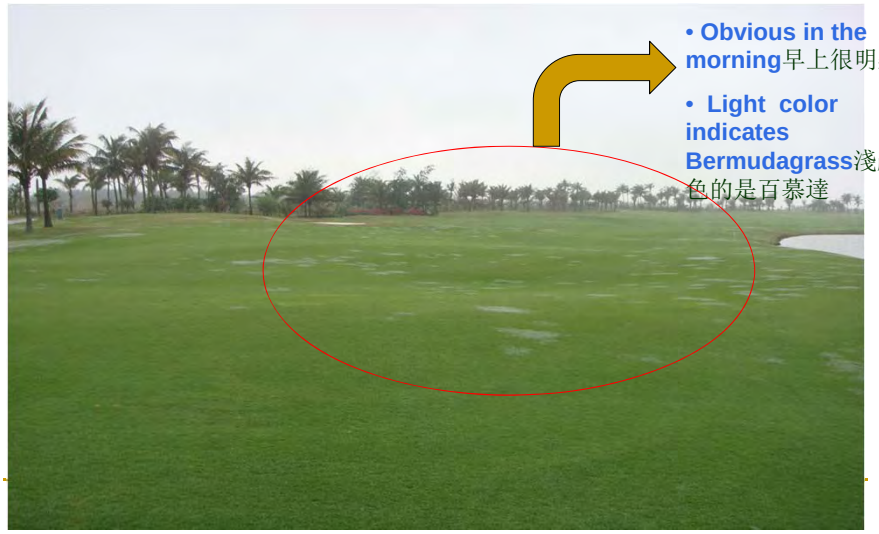
Disadvantages of Pirated Turfgrass and Advantages of Certified Turfgrass
盜版草的劣勢和认证草的优势

Priated Turfgrass 盜版草	Certified Turfgrass 認證草
◆No guarantee 無保證	Guaranteed purity 質量保證
◆No support 無技術支持	Provides after sales service and support 提供售後服務和技術支持
◆Resources unidentified 種源不明確	Resources identification 種源明確
◆No quality assurance 沒有質量擔保	Provide quality assurance 提供質量擔保



Non-Certified Turfgrass from Pirated Nursery Caused Contamination on Fairway來自盜版苗圃的草導致球道混雜

Non-certified turfgrass contaminated fairway.
Seashore Paspalum fairway contaminated with Bermudagrass.
來自盜版苗圃的草導致球道混雜非認證草球道混雜，
百慕達混雜在海濱雀稗球道



Contamination with different varieties causing non-uniformity of color creating a modeled fairway appearance.
不同品种的混杂导致球道上颜色不均一

Can you accept this condition? Can golfers accept it ?
你能接受这种状况？你的客人能接受吗？

Contamination on a green is even worse.
Below TifEagle green contaminated by Paspalum.
果嶺上的混雜更糟糕，下面是百慕達果嶺混雜海濱雀稗

On-site nursery Bermudagrass contamination
場內苗圃百慕達混雜

How could you expect to expand your course from this nursery?
你如何期待從這個苗圃擴繁到你的球場？

A Pirated TifEagle Nursery一個盜版TifEagle苗圃

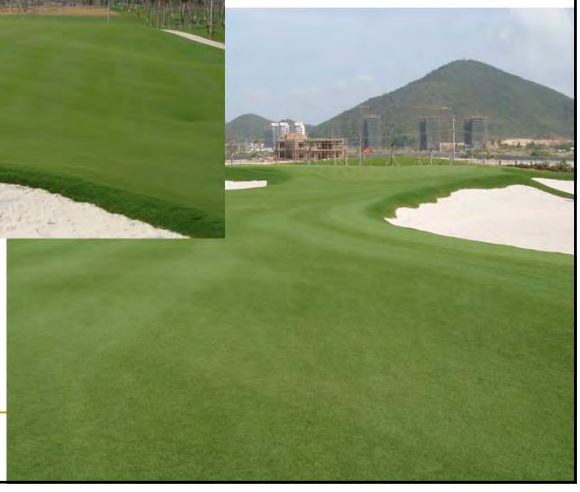
Effectively by hand?人工挖雜草有用吗？

Pure Certified Nursery in Hainan
海南高純度苗圃

A Pure Certified Nursery in Shanghai
上海的认证苗圃

Certified Turfgrass Fairways
認證草球道

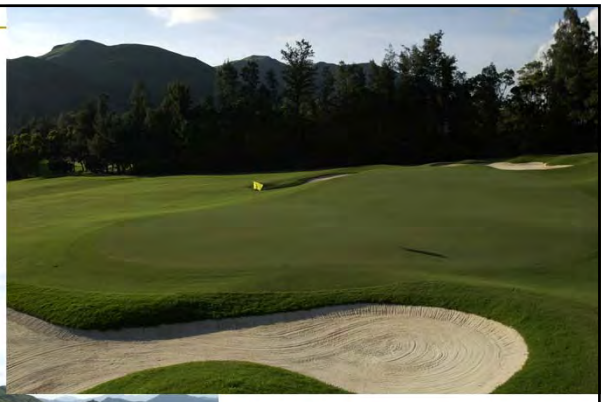
Certified Salam Fairways
認證草Salam 球道



Luhuitou GC, Sanya, Hainan
海南三亞鹿回頭高爾夫俱樂部

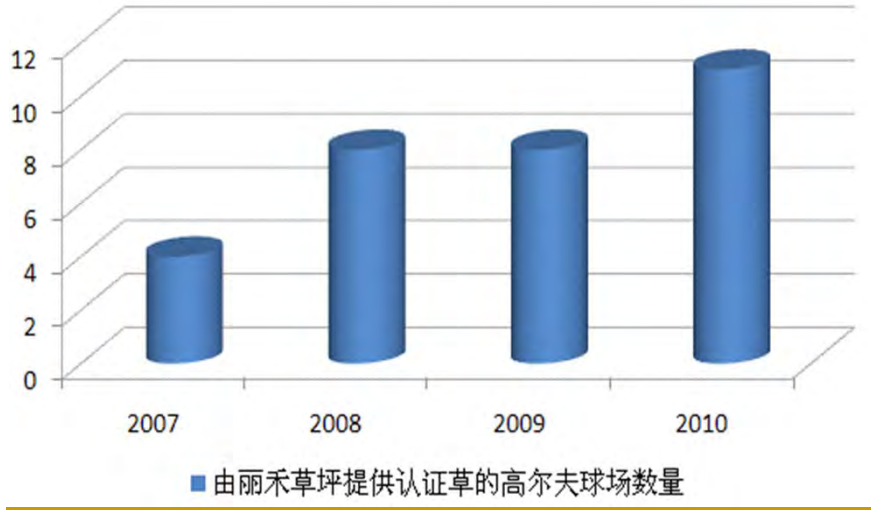
Certified SeaDwarf Green
認證SeaDwarf果嶺

Certified TifEagle Green
認證TifEagle 果嶺



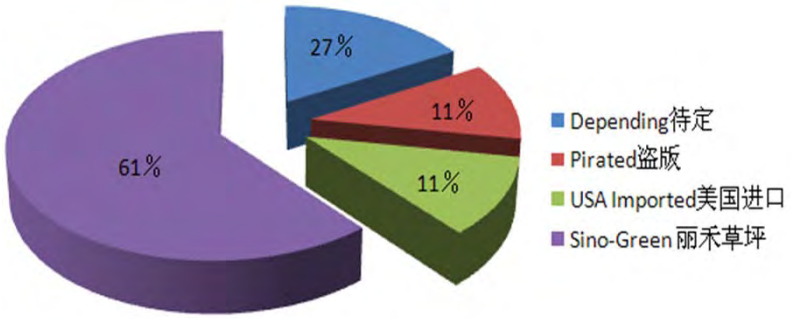
Pure TifEagle Greens
高純度TifEagle果嶺

The Growing of Certified Turfgrass Between 2007 & 2010
2007至2010認證草的發展



The growing of certified turfgrass of Sino-Green in 2010
麗禾草坪認證草在2010年的發展

Turfgrass Varieties on 2010 New Projects in Southern China
2010年中國華南新項目的草坪草種



非官方统计

Non-offical statistic

Turfgrass Exports' Efforts on Certified Turfgrass Promotion in China
草坪專家在中國對認證草的推動

Dr. Eric Lee & Paul Raymer

Wayne Hanna

Mike Healey

Paul Raymer

2010 Sanya Turfgrass Seminar
2010年三亞草坪研討會

2008 Guangzhou Turfgrass Semin
2008年草坪研討會

For more information, please visit our website
更多信息，請登錄我們的 網站

www.sino-green.com.cn

Or contact me at或是與我聯繫

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