GUIA DE OPERACIÓN RAPIDA ESTACION TOTAL TOPCON GTS-236 W

Por: Ing. Manuel Borja Sudrez Dic -- 2011 (v3)





1) CARACTERISTICAS TECNICAS:

- Desviación estándar en la medición de distancias: 2mm + 2 ppm
- Tiempo de medición: 1,2 seg.
- Medición con un solo prisma: hasta 3 km (en buenas condiciones atmosféricas)
- Medición sin prisma: No disponible
- Capacidad de almacenamiento de datos: 16000 puntos.
- Distancia minima de enfoque: 1.3 m.
- Corrección atmosférica (temperatura y presión): Manual
- Zoom: 30 x
- Plomada: óptica y laser
- Campo de visión: 1' 30'
- Precisión angular: 5 *
- Duración de la bateria: 10 hr
- Tecnología Bluetooth

2) DESCRIPCION DEL TECLADO:

- Teclas de funciones [F1], [F2], [F3], [F4]. Sirven para seleccionar las opciones que aparecen en pantalla.
- Teclas plomas:

[ANG] ... Cambia a la Pantalla de medición de ángulos horizontales

... Cambia a la Pantalla de medición de distancias

... Cambia a la Pantalla de medición de coordenadas (X,YZ)

[MENU] ... Cambia a la Pantalla del Menú de opciones

Tecla circular (*) Cambia a la Pantalla de configuración del equipo

Topcon Gts 236n Manual

Raffaela Di Napoli

Topcon Gts 236n Manual:

Eventually, you will agreed discover a supplementary experience and achievement by spending more cash. yet when? complete you take that you require to acquire those every needs behind having significantly cash? Why dont you attempt to get something basic in the beginning? Thats something that will guide you to understand even more on the globe, experience, some places, in the same way as history, amusement, and a lot more?

It is your categorically own become old to exploit reviewing habit. in the middle of guides you could enjoy now is **Topcon Gts 236n Manual** below.

http://www.frostbox.com/results/book-search/HomePages/Viewsonic%20Projector%20Manual.pdf

Table of Contents Topcon Gts 236n Manual

- 1. Understanding the eBook Topcon Gts 236n Manual
 - The Rise of Digital Reading Topcon Gts 236n Manual
 - Advantages of eBooks Over Traditional Books
- 2. Identifying Topcon Gts 236n Manual
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
- 3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Topcon Gts 236n Manual
 - User-Friendly Interface
- 4. Exploring eBook Recommendations from Topcon Gts 236n Manual
 - Personalized Recommendations
 - Topcon Gts 236n Manual User Reviews and Ratings
 - Topcon Gts 236n Manual and Bestseller Lists
- 5. Accessing Topcon Gts 236n Manual Free and Paid eBooks

- o Topcon Gts 236n Manual Public Domain eBooks
- Topcon Gts 236n Manual eBook Subscription Services
- Topcon Gts 236n Manual Budget-Friendly Options
- 6. Navigating Topcon Gts 236n Manual eBook Formats
 - ∘ ePub, PDF, MOBI, and More
 - Topcon Gts 236n Manual Compatibility with Devices
 - Topcon Gts 236n Manual Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Topcon Gts 236n Manual
 - Highlighting and Note-Taking Topcon Gts 236n Manual
 - Interactive Elements Topcon Gts 236n Manual
- 8. Staying Engaged with Topcon Gts 236n Manual
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Topcon Gts 236n Manual
- 9. Balancing eBooks and Physical Books Topcon Gts 236n Manual
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Topcon Gts 236n Manual
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Topcon Gts 236n Manual
 - Setting Reading Goals Topcon Gts 236n Manual
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Topcon Gts 236n Manual
 - Fact-Checking eBook Content of Topcon Gts 236n Manual
 - Distinguishing Credible Sources
- 13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development

- Exploring Educational eBooks
- 14. Embracing eBook Trends
 - Integration of Multimedia Elements
 - Interactive and Gamified eBooks

Topcon Gts 236n Manual Introduction

In todays digital age, the availability of Topcon Gts 236n Manual books and manuals for download has revolutionized the way we access information. Gone are the days of physically flipping through pages and carrying heavy textbooks or manuals. With just a few clicks, we can now access a wealth of knowledge from the comfort of our own homes or on the go. This article will explore the advantages of Topcon Gts 236n Manual books and manuals for download, along with some popular platforms that offer these resources. One of the significant advantages of Topcon Gts 236n Manual books and manuals for download is the cost-saving aspect. Traditional books and manuals can be costly, especially if you need to purchase several of them for educational or professional purposes. By accessing Topcon Gts 236n Manual versions, you eliminate the need to spend money on physical copies. This not only saves you money but also reduces the environmental impact associated with book production and transportation. Furthermore, Topcon Gts 236n Manual books and manuals for download are incredibly convenient. With just a computer or smartphone and an internet connection, you can access a vast library of resources on any subject imaginable. Whether youre a student looking for textbooks, a professional seeking industry-specific manuals, or someone interested in self-improvement, these digital resources provide an efficient and accessible means of acquiring knowledge. Moreover, PDF books and manuals offer a range of benefits compared to other digital formats. PDF files are designed to retain their formatting regardless of the device used to open them. This ensures that the content appears exactly as intended by the author, with no loss of formatting or missing graphics. Additionally, PDF files can be easily annotated, bookmarked, and searched for specific terms, making them highly practical for studying or referencing. When it comes to accessing Topcon Gts 236n Manual books and manuals, several platforms offer an extensive collection of resources. One such platform is Project Gutenberg, a nonprofit organization that provides over 60,000 free eBooks. These books are primarily in the public domain, meaning they can be freely distributed and downloaded. Project Gutenberg offers a wide range of classic literature, making it an excellent resource for literature enthusiasts. Another popular platform for Topcon Gts 236n Manual books and manuals is Open Library. Open Library is an initiative of the Internet Archive, a non-profit organization dedicated to digitizing cultural artifacts and making them accessible to the public. Open Library hosts millions of books, including both public domain works and contemporary titles. It also allows users to borrow digital copies of certain books for a limited period, similar to a library lending system. Additionally, many universities and educational institutions have their own digital

libraries that provide free access to PDF books and manuals. These libraries often offer academic texts, research papers, and technical manuals, making them invaluable resources for students and researchers. Some notable examples include MIT OpenCourseWare, which offers free access to course materials from the Massachusetts Institute of Technology, and the Digital Public Library of America, which provides a vast collection of digitized books and historical documents. In conclusion, Topcon Gts 236n Manual books and manuals for download have transformed the way we access information. They provide a cost-effective and convenient means of acquiring knowledge, offering the ability to access a vast library of resources at our fingertips. With platforms like Project Gutenberg, Open Library, and various digital libraries offered by educational institutions, we have access to an ever-expanding collection of books and manuals. Whether for educational, professional, or personal purposes, these digital resources serve as valuable tools for continuous learning and self-improvement. So why not take advantage of the vast world of Topcon Gts 236n Manual books and manuals for download and embark on your journey of knowledge?

FAQs About Topcon Gts 236n Manual Books

What is a Topcon Gts 236n Manual PDF? A PDF (Portable Document Format) is a file format developed by Adobe that preserves the layout and formatting of a document, regardless of the software, hardware, or operating system used to view or print it. How do I create a Topcon Gts 236n Manual PDF? There are several ways to create a PDF: Use software like Adobe Acrobat, Microsoft Word, or Google Docs, which often have built-in PDF creation tools. Print to PDF: Many applications and operating systems have a "Print to PDF" option that allows you to save a document as a PDF file instead of printing it on paper. Online converters: There are various online tools that can convert different file types to PDF. How do I edit a Topcon Gts 236n Manual PDF? Editing a PDF can be done with software like Adobe Acrobat, which allows direct editing of text, images, and other elements within the PDF. Some free tools, like PDFescape or Smallpdf, also offer basic editing capabilities. How do I convert a Topcon Gts 236n Manual PDF to another file format? There are multiple ways to convert a PDF to another format: Use online converters like Smallpdf, Zamzar, or Adobe Acrobats export feature to convert PDFs to formats like Word, Excel, JPEG, etc. Software like Adobe Acrobat, Microsoft Word, or other PDF editors may have options to export or save PDFs in different formats. How do I password-protect a Topcon Gts 236n Manual PDF? Most PDF editing software allows you to add password protection. In Adobe Acrobat, for instance, you can go to "File" -> "Properties" -> "Security" to set a password to restrict access or editing capabilities. Are there any free alternatives to Adobe Acrobat for working with PDFs? Yes, there are many free alternatives for working with PDFs, such as: LibreOffice: Offers PDF editing features. PDFsam: Allows splitting, merging, and editing PDFs. Foxit Reader: Provides basic PDF viewing and

editing capabilities. How do I compress a PDF file? You can use online tools like Smallpdf, ILovePDF, or desktop software like Adobe Acrobat to compress PDF files without significant quality loss. Compression reduces the file size, making it easier to share and download. Can I fill out forms in a PDF file? Yes, most PDF viewers/editors like Adobe Acrobat, Preview (on Mac), or various online tools allow you to fill out forms in PDF files by selecting text fields and entering information. Are there any restrictions when working with PDFs? Some PDFs might have restrictions set by their creator, such as password protection, editing restrictions, or print restrictions. Breaking these restrictions might require specific software or tools, which may or may not be legal depending on the circumstances and local laws.

Find Topcon Gts 236n Manual:

viewsonic projector manual

victory cross country motorcycle service manual

vilter 440 parts manual

vf valiant workshop manual

vest with traditional styling authentic knitting board

vietnam studies division level communications 1962 1973

viens jouer dehorspour le plaisir et pour la santeacute

viking designer 1 repair manual

vhl central answer key spanish 4

villiers mark 10 manual

vincent p go a novel

vexilla regis journal confronting culture for christ the king

viking residential sprinkler installation guide

victa 2 stroke workshop manual

vhl central answer key

Topcon Gts 236n Manual:

a tude de textes et syntha se pdf uniport edu - Mar 19 2022

web jun 6 2023 latency era to download any of our books behind this one merely said the a tude de textes et syntha se is universally compatible later than any devices to read

synthèse définition simple et facile du dictionnaire - Dec 28 2022

web citation synthèse nom féminin sens 1 activité mentale qui consiste à regrouper divers éléments concernant un domaine et à les structurer en un tout cohérent synonyme

synthèse wiktionnaire le dictionnaire libre - Feb 27 2023

web français didactique recomposition des éléments d un tout en particulier de la thèse et de l antithèse mais la géniale synthèse de maxwell si elle a changé l idée que l on se

synonymes synthèse dictionnaire des synonymes larousse - Jan 29 2023

web synonymes de synthèse retrouvez tous les synonymes et contraires de synthèse classés par sens et niveaux de langue a tude de textes et syntha se pdf uniport edu - May 01 2023

web may 20 2023 a tude de textes et syntha se 2 4 downloaded from uniport edu ng on may 20 2023 by guest chapters on sexual differentiation and gender identity development

synonyme de synthèse la liste des plus utilisés l'internaute - Nov 26 2022

web les informations recueillies sont destinées à ccm benchmark group pour vous assurer l envoi de votre newsletter elles seront également utilisées sous réserve des options

a tude de textes et syntha se 2022 pantera adecco - Aug 04 2023

web a tude de textes et syntha se 3 3 s into written language is one of the most important processes in writing this volume provides a long awaited updated overview of the field

a tude de textes et syntha se pdf zenith maritimetrainer - Apr 19 2022

web the châteauroux version of the chanson de roland index catalogue of the library of the surgeon general s office united states army processing interclausal relationships

a tude de textes et syntha se 2022 protese odontocompany - Dec 16 2021

web a tude de textes et syntha se 3 3 here at last is a fully annotated critical edition of the châteauroux text of the chanson de roland even in the corpus edition c was

a tude de textes et syntha se pdf uniport edu - Nov 14 2021

web may 14 2023 merely said the a tude de textes et syntha se is universally compatible in the manner of any devices to read histoire géographie 3e christine lécureux 2016 09

a tude de textes et syntha se 2022 retailer bonide - Jul 03 2023

web a tude de textes et syntha se 3 3 this conference happen collected papers boydell brewer ltd historians have long ignored the military aspect of the wars of religion which synthèse tous les synonymes - Oct 26 2022

web les synonymes sont des mots différents qui veulent dire la même chose lorsqu on utilise des synonymes la phrase ne change pas de sens usage des synonymes synonymes

a tude de textes et syntha se 2022 ftp kvoi - Jan 17 2022

web les psaumes traduits littéralement sur le texte hébreu avec un commentaire par l'abbé h j crelier rowman littlefield sixteen studies in religious phenomena including

a tude de textes et syntha se 2022 jbedssofa - Jul 23 2022

web a tude de textes et syntha se 1 a tude de textes et syntha se recognizing the way ways to get this books a tude de textes et syntha se is additionally useful you have

a tude de textes et syntha se help environment harvard edu - Mar 31 2023

web l'objet de cet ouvrage est de présenter les instruments les ressources et les méthodes qui permettent de constituer un corpus de textes littéraires en vue de son étude

a tude de textes et syntha se download only stage gapinc - Jun 21 2022

web 2 a tude de textes et syntha se 2022 09 26 should be offered and current research should be put into perspective for contributors in the developmental field attention

a tude de textes et syntha se help environment harvard edu - Sep 24 2022

web a tude de textes et syntha se recognizing the showing off ways to acquire this books a tude de textes et syntha se is additionally useful you have remained in right site to

a tude de textes et syntha se marc lapprand book - Jun 02 2023

web merely said the a tude de textes et syntha se is universally compatible in the same way as any devices to read food production and rural development in the sahel r

a tude de textes et syntha se pdf pantera adecco - Aug 24 2022

web 4 a tude de textes et syntha se 2023 08 19 language titles published by predominantly english language publishers 1973 74 etude historique sur les impots

a tude de textes et syntha se full pdf ai classmonitor - Sep 05 2023

web allgemeine bibliographie der staats und rechtswissenschaften bossange s literary annual the literature of egypt and the soudan from the earliest times to the year 1885 i e

a tude de textes et syntha se download only - Oct 06 2023

web oct 12 2023 a tude de textes et syntha se human sexuality and its problems j h j bancroft 2008 12 29 prepared by one of the world's leading authorities human sexuality

a tude de textes et syntha se download only store spiralny - May 21 2022

web 4 a tude de textes et syntha se 2023 09 25 contains the papers prepared for the 2nd international conference on natural language processing held 2 4 june in patras

a tude de textes et syntha se pdf uniport edu - Feb 15 2022

web may 6 2023 a tude de textes et syntha se 2 6 downloaded from uniport edu ng on may 6 2023 by guest which sex can be problematic including dysfunctional out of control

mi esta spanish to english translation spanishdictionary com - Feb 14 2022

web may 19 2023 mysta re a paris 1 5 downloaded from uniport edu ng on may 19 2023 by guest mysta re a paris recognizing the habit ways to get this book mysta re a paris is mysta re a paris uniport edu ng - Oct 13 2021

mystère paris home facebook - Nov 13 2021

mysta re a paris uniport edu ng - Dec 15 2021

web may 7 2023 mysta re a paris 1 5 downloaded from uniport edu ng on may 7 2023 by guest mysta re a paris yeah reviewing a book mysta re a paris could ensue your

mysta re a paris assets ceu social - Aug 23 2022

web sep 24 2023 mysta re a paris 1 3 downloaded from uniport edu ng on september 24 2023 by guest mysta re a paris this is likewise one of the factors by obtaining the soft

mysta re a paris help environment harvard edu - Jul 22 2022

web mysta re a paris 1 5 downloaded from uniport edu ng on may 16 2023 by guest mysta re a paris yeah reviewing a book mysta re a paris could build up your close connections

mysta re a paris help environment harvard edu - Sep 23 2022

web mysta re a paris recognizing the pretension ways to acquire this book mysta re a paris is additionally useful you have remained in right site to start getting this info acquire the

ukraine russia war latest trump invited to kyiv for explanation - Mar 18 2022

web plate the plate symbol which has been included in the paris guide since 2016 is deemed worthy of good food restaurants local symbols the traditional diversity of some

mystere paris mystereparisofficial instagram photos and videos - Aug 03 2023

web 28k followers 164 following 1 900 posts see instagram photos and videos from mystere paris mystereparisofficial **amazon in mystere paris sleep lounge wear women** - Jan 28 2023

web 12k followers 117 posts 26 08 23 myst 015 summer jam

mystere paris buy original mystere paris products online - Jul 02 2023

web buy the latest collection of nightwear loungewear for women at mystere paris online store

amazon in mystere paris - Jun 01 2023

web 57 off nice product mystere paris clothing and accessories buy mystere paris clothing and accessories at india s best online shopping store check price in india

mystere paris clothing and accessories flipkart - Apr 30 2023

web 1 48 of 798 results for mystere paris results mystere paris stylish maternity jeans 1 139 m r p 1 899 40 off pastel maternity dress 779 m r p 1 299 40 off

mysta re a paris 2023 assets ceu social - Oct 25 2022

web mysta re a paris the enigmatic realm of mysta re a paris unleashing the language is inner magic in a fast paced digital era where connections and knowledge intertwine the

amazon in mystere paris - Feb 26 2023

web mysta re a paris seven letters from paris jul 20 2022 twenty years seven letters and one long lost love of a lifetime at age 40 samantha verant s life is falling apart she s

mystère paris facebook - Mar 30 2023

web mystere paris elegant striped cotton lounge pants lounge wear cotton white grey g555l 479

mysta re a paris uniport edu ng - May 20 2022

web nov 6 2023 ukrainian president volodymyr zelenskyy has insisted the war is not at a stalemate he has also invited donald trump to kyiv to explain in 24 minutes why he

shop for mystere paris apparels online in india myntra - Sep 04 2023

web mystere paris online store in india shop from the latest collection of original mystere paris brand products online at best prices enjoy exclusive discounts on myntra free shipping

myst mystparis instagram - Nov 25 2022

web mysta re a paris if you ally dependence such a referred mysta re a paris book that will allow you worth acquire the unquestionably best seller from us currently from several

mysta re a paris uniport edu ng - Apr 18 2022

web 2 used to express an emotion or state a to be estoy enojada porque me acaban de dar una multa de estacionamiento i am angry because i just got a parking ticket intransitive

ebook mysta re a paris cyberlab sutd edu sg - Dec 27 2022

web within the pages of mysta re a paris an enthralling opus penned by a highly acclaimed wordsmith readers attempt an immersive expedition to unravel the intricate significance

shop genuine mystere paris collection at best offers nykaa - Oct 05 2023

web shop mystere paris collection at best offers online from nykaa fashion explore wide range of style designs with convenience of cod easy returns

mysta re a paris uniport edu ng - Jun 20 2022

web sep 15 2023 mysta re a paris 2 3 downloaded from uniport edu ng on september 15 2023 by guest the surgeon general s office u s 1882 hardwick hall david adshead

istanbul michelin starred restaurants pera palace hotel - Jan 16 2022

web mystère paris mumbai india 21 953 likes 2 talking about this mystère paris is a fashion brand creating stylish and beautiful sleepwear

evaluation of late blight foliar resistance of potato cultivars in - Oct 05 2022

web potato late blight caused by the oomycete pathogen phytophthora infestans is a re emerging potato disease fry et al 2015 being for more than 160 years one of the most destructive potato diseases worldwide its management is a challenge for both organic and conventional production systems

potato late blight springerlink - Feb 09 2023

web potato late blight caused by the oomycete phytophthora infestans mont de bary may be the best known longest studied and still among the most destructive of all plant diseases devastation caused by this plant pathogen in the late 1840s in europe led to food

<u>literature review on potato late blight clr imymac</u> - Feb 26 2022

web literature review on potato late blight downloaded from clr imymac com by guest finn sellers time of irrigating potatoes as affecting stolon growth and tuber set and development springer

advances in management of late blight of potato springerlink - Aug 15 2023

web mar 17 2022 significant reduction in late blight development was observed when plants were treated with biosurfactant pseudomonas koreensis 2 74 and also biosurfactants have the potential to induce resistance in potato to late blight bengtsson et al 2015

remote sensing free full text potato late blight detection at - Mar 10 2023

web apr 19 2020 in the literature there are several studies that related band reflectances or vegetation indices to late blight occurrence in potato or tomato crops 16 17 18 19 20 21 22 but none of them tested the use of rwp and rep to potato late blight in developing countries abstract - Dec 27 2021

web are variable and frequently significant late blight is most severe in the mountainous areas of developing countries where weather conditions are favorable for disease variable topography and continuous production of potato and other late blight hosts including tomato and in the andes pear melon make prediction of disease initiation or

resistance to late blight in potato request pdf researchgate - Jul 02 2022

web oct 11 2013 to introgress late blight resistance genes from mch into s tuberosum tbr genepool somatic hybridization between mch and susceptible diploid potato clones 2n 2x 24 or potato cultivar

potatoes with the right antennas origin of novel broad - Jan 28 2022

web sep 11 2023 citation potatoes with the right antennas origin of novel broad resistance to late blight found in wild potato relatives 2023 september 11 retrieved 13 september 2023 from phys org

late blight in potato ndsu agriculture - Dec 07 2022

web late blight is caused by the fungal like oomycete pathogen phytophthora infestans the primary host is potato but p infestans also can infect other solanaceous plants including tomatoes petunias and hairy nightshade these infected species can act as source of inoculum to potato

screening of wild potatoes identifies new sources of late blight - Apr 11 2023

web dec 30 2020 tools share abstract late blight lb of potato is considered one of the most devastating plant diseases in the world most cultivated potatoes are susceptible to this disease however wild relatives of potatoes are an excellent source of lb resistance

pdf a review on management of late blight of potato through - Nov 06 2022

web jan 1 2015 the study demonstrates that potato cvs abl with reduced susceptibility to late blight can be managed with reduced fungicide rates and longer application intervals thus offering a less expensive

management of late blight of potato semantic scholar - Sep 04 2022

web normally late blight infected tubers are hard but associated secondary pathogens may set in soft rot symptoms 3 4 field infection generally late blight appears on lower most leaves of the plant which goes unnoticed from a distance slowly the disease spreads to the middle and then upper leaves subsequently it management of late blight of

analysing potato late blight control as a social ecological system - Jun 13 2023

web may 18 2016 potato late blight caused by phytophthora infestans is one of the main diseases in potato production causing major losses in yield applying environmentally harmful fungicides is the prevailing and classical method for controlling late blight thus contaminating food and water

late blight description symptoms control britannica - Aug 03 2022

web late blight also called potato blight disease of potato and tomato plants that is caused by the water mold phytophthora

infestans the disease occurs in humid regions with temperatures ranging between 4 and 29 c 40 and 80 full article the response of potato late blight to potato varieties - May 12 2023

web ridomil gold was the most effective management option of potato late blight by three consecutive sprays at 7 days interval as compared to 2 or 1 spray subhani et al 2015 an integrated disease management approach is effective to late blight disease and its management in potatoes ahdb - Apr 30 2022

web late blight remains the single most important potato disease in gb it is caused by the oomycete phytophthora infestans which can infect foliage stems and tubers visit our library of late blight research reports

technical manual potato late blight international potato - Jan 08 2023

web potato late blight caused by phytophthora infestans mont de bary is one of the most devastating potato diseases worldwide in ireland in 1845 it caused the total destruction of the potato crop which was the main staple food in that country causing the deaths of thou

late blight of potato phytophthora infestans biology economic - Mar 30 2022

web abstract late blight is the most destructive of all potato disease and responsible for the irish famine in the middle of the 19th century it affects both potato foliage in the field and tuber in the storage which can absolutely destroy a crop producing a 100 crop loss

pdf management of late blight of potato researchgate - Jul 14 2023

web jun 6 2018 under favourable environmental conditions for such as high relative humidity of 90 and low temperatures of 7 2 to 26 6 lal et al 2018 a potato crop can be infected by p infestans at

late blight of potato the great irish famine springerlink - Jun 01 2022

web aug 18 2021 chapter first online 18 august 2021 380 accesses abstract in 1845 when the potato late blight reached ireland potato was a big staple food in the country two varieties of this species selected over time for their high productivity and popularity among consumers were cultivated on countless acres