

35. The method of claim **33**, wherein the composition of matter comprises a mixture of condensed hydrocarbons, lignins, and tannins and/or condensed tannins, wherein at least 10% of the total % of compounds of the composition are tannins and/or condensed tannins.

36. The method of claim **33**, wherein the composition of matter comprises a mixture of condensed hydrocarbons, lignins, and tannins and/or condensed tannins, wherein at least 20% of the total % of compounds of the composition are tannins and/or condensed tannins.

37. The method of claim **33**, wherein the at least one gene regulated provides improved agronomical recovery of the plant after an environmental stress is reduced or discontinued as compared to a similar plant species not treated with said composition of matter.

38. The method of claim **37**, wherein the environmental stress is drought.

39. The method of claim **37**, wherein the environmental stress is selected from the group consisting from exposure to salt water, flooding, prolonged darkness, pest herbivory, and temperature variations.

40. The method of claim **37**, wherein the improved agronomical recovery comprises at least one of increased plant weight, increased number of leaves, and increased stalk weight after discontinuation of the environmental stress as compared to a similar plant not treated with the composition of matter

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